Oil, Paint and Drug Reporter

THE MARKET AUTHORITY SINCE 1871

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Volume 133 MAY 2, 1938 Number 18

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New Aliphatic Amines

During the century since Wöhler synthesized the first amine, chemists have succeeded in substituting the NH group for the oxygen atom in almost every oxygenated organic compound. Thus, alcohols have been changed to amines, ethers to imines, and glycols to diamines. Although these analogs have sufficiently different and valuable properties to indicate great industrial possibilities, only half a dozen aliphatic amines have become commercially important. However, recent developments in the chemistry of dyes, detergents, textile softeners, emulsifiers, and pharmaceuticals have created a need for new nitrogen compounds. Synthesis now makes the following amines available commercially.

TRIISOPROPANOLAMINE

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. . . a crystalline, pure-white solid . . . is a mild, water-soluble base. It melts at 45° C., and boils at 188.0° C. at 10 mm. A mixture of Isopropanolamines that is liquid at room temperature is also available. The Isopropanolamines readily form stable, non-darkening soaps that are excellent emulsifying agents and are completely soluble in hydrocarbons. They should be investigated by oil, soap, cosmetic, and pharmaceutical chemists.

DIETHYLAMINOETHANOL

$(C_2H_5)_2NCH_2CH_2OH$

. . . a colorless, hygroscopic liquid boiling at 162.2° C. . . . is completely soluble in water or alcohol. Basic in character, it readily furnishes salts which may be dissolved in water. It forms fatty acid derivatives which are textile softeners and emulsifiers in acid mediums. Being in the family of alkylolamines, it combines the properties of amines and alcohols and yields derivatives containing tertiary amine groups.

DIETHYLENE TRIAMINE

$(NH_2)C_2H_4(NH)C_2H_4(NH_2)$

. . . a hygroscopic, somewhat viscous liquid which boils at 207.1° C. . . . is completely soluble in water and hydrocarbons. It is a strongly alkaline, high-boiling solvent for sulphur, acid gases, various resins and dyes. Diethylene Triamine will saponify acidic materials, such as fatty acids, to form soaps which dehydrate to amides. It has derivatives of interest to the rubber, resin, dye, and textile industries.

TRIETHYLENE TETRAMINE

$(NH_2)(C_2H_4NH)_2C_2H_4(NH_2)$

. . . a moderately viscous, water-soluble liquid boiling at 278.0° C. . . . is less volatile than Diethylene Triamine but resembles it in many other properties. Combined with fatty acids, it forms detergents and softening agents. This straight chain compound possesses a multiplicity of reactive amino groups and offers unusual possibilities in the synthesis of rubber accelerators, pharmaceuticals and dyestuffs.

Information on these new chemicals will gladly be furnished.

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Oil, Paint and Drug Reporter

Founded 1871 by William O. Allison

Volume 133 MAY 2, 1938 Number 18

Reporter's Nationwide Business Survey Shows Chemical Activities Curtailed in First Quarter

General Slump Resulted in Decreased Demand for Materials from Process Industries—Prices Reduced—Exports Larger

Producers and distributors of industrial materials in the category of chemicals, oils, and drugs had plain evidence during the first quarter of this year that the recession, or depression, or cessation of general business activity was still effective, whether official or otherwise. The many industries which require chemicals, oils, or drugs in their processes were not requiring much in this regard, and these materials cannot be sold to farmers and other ultimate consumers—even though that class were inclined to buy anything—in volume sufficient to keep plants or warehouses or book keeping departments busy.

So, because production activities of manufacturing industry in general were down 25.1 percent from the level of the first quarter of last year, and farmers had to be satisfied with prices 22 percent lower than they got a year earlier, sales of chemicals, oils, and drugs in the first quarter of this year, according to data contributed to the REPORTER'S nationwide business survey, were 18.9 percent less in volume than those in the corresponding period in last year, and because prices of chemicals, oils, and drugs averaged 4.4 percent less, the aggregate value of these sales was down 20.3 percent from that for the first quarter of 1937. Sales volume varied among the ten major divisions of the chemical, oil, and drug industries, the declines from the 1937 level ranging from 30.5 percent in oils, fats, and waxes to 4.8 percent in botanical drugs, spices, and gums.

Because the sales of their products had thus been curtailed by diminished demand and purchasing power, the chemical, oil, and drug industries cut their first-quarter productive operations 17 percent from what they had been in the 1937 quarter. This cut was less than that in sales because some producers were reluctant to reduce employment of their workers and maintained more than adequate production, increasing their inventories thereby. These increases raised inventories 14.1 percent above the corresponding 1937 level. Production cuts ranged from 1.3 percent in fertilizer materials to 34.4 percent in drugs and fine chemicals—an increase of 9 percent in production was reported for botanical drugs, spices, and gums.

The records in respect of inventories varied greatly. The largest increase over the 1937 level—one of 46.5 percent—was shown by coaltar chemicals; the smallest was 2 percent in the botanical group. There was no change in inventories of essential oils and aromatic chemicals, and a decrease of 1.4 percent was reported for dyestuffs and textile and leather chemicals. Although stocks of crude petroleum and gasoline were larger than in 1937, a decrease of 7.2 percent was reported in aggregate inventories, which included petroleum distillates used as industrial materials.

The employment record of the chemical, oil, and drug industries during the first quarter made a commendable showing in comparison with that of manufacturing in general. In the specified industries employment averaged 7.7 percent less than that in the 1937 quarter; while the average for all consumer goods industries was down 13.2 percent. A similarly commendable showing was made by the chemical, oil, and drug industries in factory payrolls, their total being off but 3.9 percent from the 1937 level, while that for all manufacturers of consumer goods was off 15.9 percent. Average weekly earnings of workers in the chemical, oil, and drug industries at the middle of the first quarter were $27.55, or 3.8 percent higher than they had been a year earlier; the average for all consumer goods industries was $20.86, which represented a cut of 2.3 percent from the corresponding 1937 level.

Chemicals, Oils, Drugs

Conditions in First Quarter of 1938

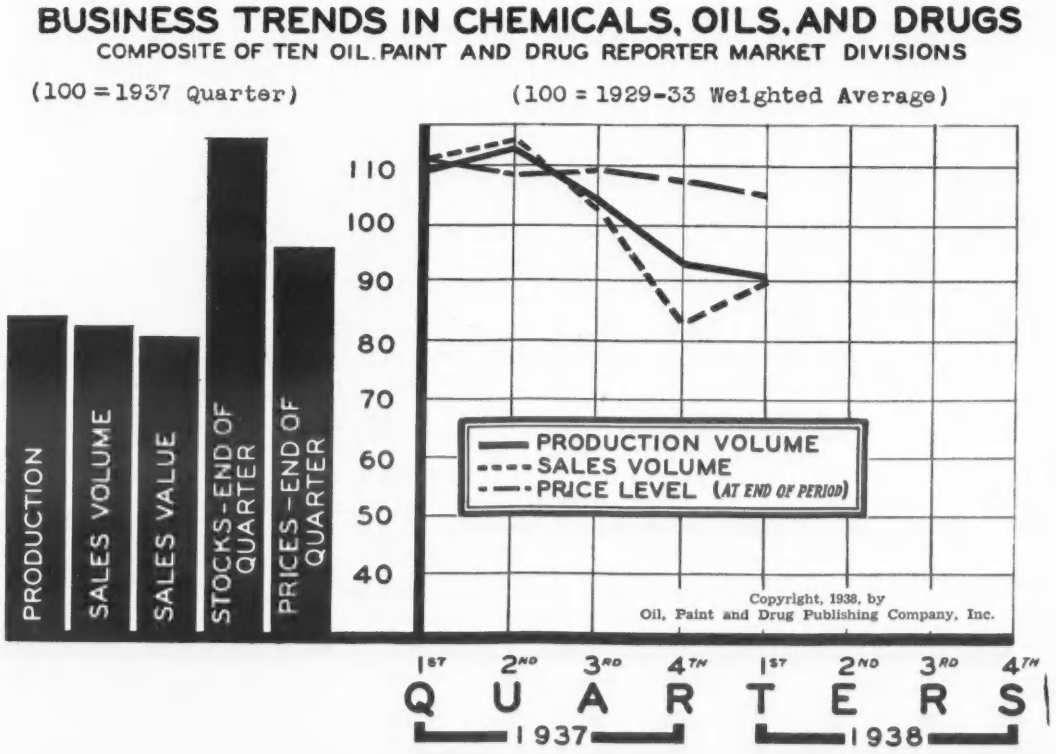
(100 = First Quarter of 1937)

Production	83.0
Sales volume	81.1
Sales value	79.7
Stocks, end of quarter	114.1
Prices, end of quarter	95.6
Exports (Jan.-Feb. basis)—$95,239,814	123.9
Imports (Jan.-Feb. basis)—$55,200,852	76.1
Credit conditions	Poorer
Outlook	Duller

The Outlook

There was far more gloom than rosiness in the sentiment of the chemical, oil, and drug industries with respect to the nearby future. The gloominess was more prevalent than it had been at the beginning of the year, although the statistical position of the industries had not worsened enough to justify the darkening. The reason is plain enough—everybody is glooming—but it is difficult to understand why business should be afraid to prove its worth, and it is undeniable that the buying public has become thrifty largely because it cannot understand why business does not take hold of its opportunities instead of permitting government, under the influences of jobholders and hunters for easy work, to continue to find excuses for imposing burdensome taxes on business. It must be evident to thinking men that, because the United States Treasury Department can sell three-months bills at from 99.991 to 100, while business alleges that it cannot attract investments, the lack of confidence on the part of private capital is in business and not in the Federal administration. Tax-exemption cannot explain the preference of capital

—Turn to page 26



Closing Market Developments

London Closing Cable

LONDON, Apr. 29, 1938.

Quotations on carnauba wax were lower at 147s. 6d. per hundredweight.

Cottonseed Oil Weaker

Cottonseed oil futures were easier late in the week in company with securities and other commodities. July reclined to 7.94c., September to 7.88c., and October to 7.82c. After which there was a recovery of 8 to 10 points on covering of shorts and commission house buying.

Tin Tetrachloride Lower

Anhydrous tetrachloride of tin was fractionally lower later in the week at 19c. per pound, reflecting the easiness in Straits tin, which was quoted around 36.65c. per pound. Tin crystals and soda stannate were unchanged from previously announced levels.

Foreign Trade Rules

Information recently published by the Department of Commerce on foreign tariff and related trade regulations includes the following data:—

Graphite:—Retort graphite and coke oven graphite cannot be exported from Germany without permit.

Insecticides: — Haiti has added to the free list insecticides and certain fungicides, previously dutiable at 5 percent ad valorem. However, a general surtax of 20 percent of duty prevails.

Peanut Oil: — France has revised the alternative specific export duty on peanut oil in French West Africa. The ad valorem export duty continues at 3 percent but the alternative specific duty per 100 kilos, not less than 10 francs is now not more than 14 francs.

Pharmaceutical Control:—A measure providing for the creation of a bureau to control the distribution of medicinals in Belgium is now before the Chamber of Representatives of that country. According to the terms of the bill, this new bureau would be entrusted with the examination of pharmaceutical specialties, verification of their composition, conditions of manufacture and sale, etc., and approve or otherwise govern their sale in the Belgian market.

Quebracho:—Certain products imported by Brazilian producers of quebracho extract have been exempted from duty, according to provisions of recent decree-law.

Salt:—The import surtax on all kinds of salts of non-French origin, imported in French West Africa, has been increased from 6 to 10 francs per 100 kilos.

—*Continued on page* 58

Cotton Ginning Bill Asks Statistical Data

Cotton ginners would be required to keep a record of bales ginned by them, by counties in which the cotton is grown, under the provisions of a bill introduced in the Senate by Senator John H. Bankhead, 2d, of Alabama. The bill would amend the act authorizing the Census Bureau to collect and publish statistics of cotton.

Chemical Engineers Ass'n Meeting to Be Held May 9

The American Institute of Chemical Engineers will hold its thirtieth semi-annual meeting in the Greenbrier, White Sulphur Springs, West Va., May 9, through 11. Visits to plants in Covington, Va., and Charleston, W. Va., are planned. A banquet will be held May 10, followed by dancing. The program for technical subjects follows:—

May 9, 9:30 a.m.

"The Chemical Industry of the Great Kanawha Valley," by J. N. Compton and E. T. Crawford, of the Carbide & Carbon Chemicals Corporation, South Charleston, W. Va.

"The Development of Chemical Engineering Education in the United States," by the Committees On Chemical Engineering Education, Albert B. Newman, chairman.

"Full-Scale Production of Calcium Metaphosphate Achieved At Wilson Dam," by H. A. Curtis, R. L. Copson, A. J. Abrams, and J. N. Junkins, of the Tennessee Valley Authority, Wilson Dam, Alabama.

May 10, 9:30 a.m.

"Interpretation of Constant Rate Filtration Data," by Charles F. Bonilla, of the Johns Hopkins University, Baltimore.

—*Continued on page* 34

Chemical Prices Show Weakness

In most respects the price situation in the markets for heavy and fine chemicals was weaker last week. There was but one feature among the few advances, and the reductions were numerous and widespread.

Business was irregular, seasonal activities offsetting in part the continued general dullness. Transactions during April had a tapering-off characteristic.

Prices were advanced on bismuth metal, quinine-urea hydrochloride, and dried blood at Chicago. Prices were reduced on Straits tin, tin crystals, tetrachloride of tin, stannate of soda, slab zinc, zinc dust, antimony white pigment, ethylcellulose, sulphanilamide, nitrate of lead, casein, domestic egg albumen, egg yolk, gum turpentine, gum rosin, abietate of soda, ricinoleic acid, fish meal at Baltimore, dried blood at New York, domestic castor pomace, domestic tankage, and cocoa butter.

The REPORTER's composite index number of prices for heavy and fine chemicals was not appreciably affected and remained at 126.3 (100 = average at August 1, 1914). In comparison with average prices in 1926 (as 100), the REPORTER's index number is now 89.4, against 89.5 at this time last year.

Contents of This Issue

News and Statistics

Alcohol Tax Raise Restored in Parley 4
American Chemical Society Prize Won by Bartlett 34
"Aspirub" Banned by F.T.C. 50
Burke Koppers Vice-President 37
Bromine Output in 1937 45
Bliss Rejoins Foote Mineral Co. 29
Balto. Paint Ass'n Outing Scheduled for June 17 42
Baker Quits F.T.C. 5
Business Survey 3
Chemical Workers Show Decrease .. 5
Chemical Engineers Ass'n to Meet May 9 4
Collective Trademarks Favored in Congress 5
Chemurgic Conference Reviews Progress 5
Coburn Heads Del. Univ. Chemical Engineering Div. 34
Colgate - Palmolive - Peet Names Little President 54
Carolene Co. Loses Filled Milk Suit. 54
Chicago Production Club Inspects S.-W. Plant 54
China Clay 1937 Output Established High Record 30
Cosmetic Tax Cut Removed from Bill 48
C.D.I.C. Production Club Addressed on Drying Oils 56
Cincinnati Paint Ass'n to Honor Trigg 42
Cleve. Production Club Hears Talk on Color 52
Drug Price Research Plans Are Laid 5
Du Pont Offers New Colors 37
Drug Bill Action Expedited 50
Drug Chain Sales in March 50
Devoe & Raynolds Stockholders Approve Jones-Dabney Purchase 38
Dammar Varnish Standard Proposed 42
Dodge on Naval Oil Board 58
Fuller's Earth Output in 1937 29
Helgren Heads Ellicott Drug 37
Kraus Wins Award of Franklin Institute 54
Margarin Probe by Congress Asked. 5
Management—Employee Relations Analyzed 4
Mineral Concentration Improved by B. of M. 50
Micaceous Pigment for Casein Paint 52
N. Y. Business Owners Must File Real Name 4
N. Y. Drug Council Discusses Fair Trade 5
Naphthenic Acid Ruled Dutyfree ... 34
Penna. Oil Investigating Commission Found Invalid 54
Petroleum Status 55
Polish Perfumers Studying U.S. Methods 58
Petroleum Production 56
Searle Co. Names Layton Assistant Medical Director 50
Soda Acetate in New Form 50
Salt Output in 1937 29
Textile Color Card Association Re-Elects Pinnell President 37
Turpentine Ass'n Re-Elects Officers. 38
Textile Foundation Sponsors Research 58
Tanners Council Issues Spring Meeting Program 25
Toronto Paint Technicians Addressed on Fish Oils 42
U.S. Revenue Returns in March 29
U. S. Glass Moved Offices 42
Vick Fellowship Awarded 50
Wage-Hour Control Awaits House Rule 5
Wishnick Heads Charity Drive 38
Zinc Institute Studies Improved Coatings 5
Zinc Production in 1937 Showed 14 Percent Increase 30

General Features

Advertisers' Index 65
Bids Wanted 25
Chemical Price Trends 4
Classified Advertisements 64
Closing Market Developments 4
Contracts Award 25
Editorial 3
Foreign Rules 4
Foreign Trade Openings 29
Industrial Uses of Chemicals 46
Informative Booklets ..... —
Obituaries 56
Prices Current 7
Scientific, Professional Services .. 58
Trade Briefs 34, 38, 54
What You Can Use 52
Where You Can Sell 46

Market Reports

Botanical Drugs, Spices, Gums ... 51
Coaltar Chemicals 36
Drugs and Fine Chemicals 47
Dyestuffs, Textile and Leather Chemicals 35
Essential Oils and Aromatics 53
Fertilizer Materials 57
Heavy Chemicals 31
Oils, Fats and Waxes 43
Paint, Varnish, and Lacquer Materials 39
Petroleum Solvents, Lubricants, Fuels 55

Shipping Information

Cargo Ship Arrivals 64
Charters 64
Coastwise Shipments 64
Exports 61
Imports 59
Imports Detained 64

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Alcohol Tax Raise Restored in Parley

OPD Washington Bureau
April 28, 1938

A full agreement has been reached by house and senate conferees on the pending tax revision bill, and a conference report is expected to be ready for consideration by both houses early next week.

In the excise tax section, the conferees accepted the house provision to place an additional excise tax of 25 cents per gallon on distilled spirits and undenatured alcohol.

Management-Employee Relations Analyzed

Management functions best in its relations with employees when it is guided by common sense, said Walter D. Fuller, president of the Curtis Publishing Company, Philadelphia, in an address, "The Human Side of Management," at a luncheon meeting of the Drug, Chemical and Allied Trades section of the New York Board of Trade, April 27. The same rule holds good with respect to management's duties and tasks as a whole, he added.

Mr. Fuller presented the philosophy of simple, rather than complicated, procedure in dealing with the problems of management. He cited various instances from his own experience where simple means, not at first discovered, had provided the solution in technical problems, as well as in matters of personnel. It was his view that management should have full knowledge of details of relationships in its business and should so construct its policies that they were fully intelligible to those who apply them, as well as those to whom they are applied.

The plan of multiple management used in his business was explained by Charles P. McCormick, president of McCormick & Co., Baltimore. The creation and the functioning of the senior board, the central junior board, and the associated boards representing factory personnel and sales personnel were outlined, and the manner in which various views were coordinated was explained.

Multiple management had proved successful from a practical standpoint, Mr. McCormick said, and it had served excellently to stabilize the working forces of his business and to make them satisfied. The speaker emphasized the necessity of laying all cards on the table in applying multiple management, declaring that the system developed mutual understanding and confidence

—*Continued on page* 29

N.Y. Business Owner Must File Real Name

Albany, Apr. 26, 1938

Persons conducting businesses under assumed names in this State are required by the Austin law, approved by Governor Lehman, to register the true or full names of the persons conducting the business in each county in which such persons conduct or transact or intend to conduct or transact business, or a branch or agency thereof.

The act also provides that a person filing such certificate, who changes the location of the business for which the same was filed from the county in which he filed to another county must, within thirty days thereafter, file a new certificate in the office of the clerk of such other county. A person filing such certificate, who changes his residence or business address, or both, must within thirty days thereafter, file a new certificate showing the new residence or business address, or both, as the same may be.

A certified copy of each certificate filed by any person must be conspicuously displayed on the premises in which such person conducts or transacts the business for which the same was filed and on the premises of each branch or agency of such business.

This act was approved to take effect immediately. This is an amendment to the penal law and therefore must be strictly construed. There are thousands of business concerns in the State which will be affected by this new law.

Chemical Workers Show Decrease

Employment Off 0.7 Percent —Payrolls Gain 0.3 Percent But Are Below Last Year

Employment in factories engaged in the manufacture of chemicals and related products in the United States noted a decrease of 0.1 percent from February 15 to March 15, according to the Bureau of Labor Statistics. At the end of the monthly period employment was 9.6 percent below the corresponding level of March, 1937. Payrolls showed an increase of 0.3 percent from February 15 to March 15, but stood 6.6 percent below the corresponding level for March, 1937.

The Bureau of Labor Statistics index number for factory employment in the chemical group of industries March 15, 1938, was 113.0 (100 equals 1923-25 average), compared with 113.1 for February and 124.9 for March last year. For payroll totals the index number was 119.5 (same basis) compared with 119.1 for February and 128.1 for March last year.

The bureau's general index numbers for all manufacturing industries March 15, 1938, showed the following comparisons:—

	March, 1938.	Feb., 1938.	March, 1937.
Employment	81.7	82.2	101.1
Payroll totals	73.3	73.2	101.1

Employment in the chemical group of industries March 15 was 2.4 percent above the average for all industries. Payroll totals were 6.3 percent above the general average for all industries.

Detailed Comparisons

Employment

	March, 1938.	Feb., 1938.	March, 1937.
Chemicals	110.8	115.5	134.0
Cottonseed oil, cake and meal	87.2	100.3	68.7
Druggists' preparations	104.5	106.0	112.2
Explosives	87.2	87.4	90.2
Fertilizers	116.4	93.3	135.9
Paint and varnishes	117.3	116.0	134.6
Petroleum refined	117.4	117.8	120.5
Rayon and allied products	334.6	329.2	373.3
Soap	95.8	96.3	111.0

—*Continued on page* 34

Wage-Hour Control Denied House Rule

OPD Washington Bureau
April 29, 1938

Following an executive session, Chairman O'Connor, of the house rules committee, announced today that the committee had defeated by a vote of eight to six a motion to report a rule for special consideration of the wage and hour regulation bill as reported by the house committee on labor for the second time this session.

Earlier in the session this committee refused a rule for consideration of the bill, but the bill was brought up by a petition signed by a majority of the members of the house, only to be recommitted to the labor committee. Chairman Norton of the labor committee has indicated that she may file a petition for special consideration of the bill.

In its revised form, the bill establishes a flat minimum wage of 25 cents an hour to be increased by 5 cents an hour every year until reaching 40 cents. The maximum number of hours permitted would be forty-four a week the first year and would be automatically decreased by two hours each year until a forty-hour workweek was reached. Employees could not be worked more than eight hours in any one day without the payment of time and one-half for overtime.

The bill also prohibits the use of child labor and has provisions for exemptions for apprentices and handicapped workers. Agricultural employees would be exempt, but not those engaged in commercial processing of farm products. Employees engaged in taking fish, seafoods, or sponges would also be exempt. The Secretary of Labor, after hearings, would decide whether an industry or an industrial activity affects interstate commerce so as to come within the terms of the law, and after a positive finding had been made the wage and hour provisions would apply automatically and would be enforced by the Department of Justice.

There are no provisions for fixing differentials by geographical location, size of a community, competitive conditions, or other factors, but the bill does provide that employees engaged in a professional or local retailing capacity are not to be considered as engaged in interstate commerce.

Baker Quits F.T.C. To Be Consultant

OPD Washington Bureau
April 26, 1938

Joe L. Baker has resigned as director of information for the Federal Trade Commission and assistant to its chairman, effective June 1, and will establish offices as an advertising consultant and public relations adviser, specializing on compliance with laws administered by the Federal Trade Commission, particularly food, drug and cosmetic advertising under the newly enacted Wheeler-Lea act.

Mr. Baker, who is well known in trade association circles, will open offices in the Albee building, Washington, in connection with Thomas Shipp, Inc., public relations counsel, and will have associated with him a medical consultant to advise on technical matters.

N.Y. Drug Council Discusses Fair Trade

Fair trade laws, their application, and their effects on relations of retailers with their customers were discussed from a number of angles in the annual meeting of the New York Pharmaceutical Council, April 26 and 27, in this city. The theme of the convention was "Fair Trade on Parade."

State Senator A. Spencer Feld, one of the authors of the State fair trade law, sounded a warning of the necessity that retailers, individually and through their associations, work hard and constantly to correct in the minds of consumers the erroneous impressions of the effects and purposes of fair trade laws which are being spread by opponents of fair pricing. He declared that the retention of the fair trade law in this State depended on the public's being convinced that it was not the harmful measure it is being pictured, warning his hearers that the campaign for repeal of the law was being vigorously waged.

In a talk on "What the Public Is Not

—*Continued on page* 49

Drug Price Research Plans Are Laid

The executive committee of the National Association of Retail Druggists and the board of control of the National Wholesale Druggists' Association have each approved the expenditure of $5,000 to establish a fund to be used by the Druggists Research Bureau in assembling facts concerning trends in consumer prices since the enactment of fair trade laws.

The Druggists Research Bureau rendered valuable service in conducting research in behalf of retail pharmacists for some seven years after it was organized in 1927. It was turned over to Merchandising Facts, Inc., in 1934, but the latter organization failed, and the bureau has not functioned since that time. The bureau has now been turned back for supervision and direction to a committee composed of delegates appointed by the National Association of Retail Druggists, the National Wholesale Druggists' Association, and the American Association of Colleges of Pharmacy. The present delegates are N.A.R.D.—John W. Dargavel, Chicago; Thomas Smith, Wilmington, and George L. Secord, Chicago; N.W.D.A.—A. Kiefer Mayer, Indianapolis; Leo A. Lanigan, Chicago; J. T. Woodside, Chicago; H. S. Noel, Indianapolis; and E. L. Newcomb; A.A.C.P.—George C. Shicks, Newark; W. Henry Rivard, Providence; and Paul C. Olsen, Philadelphia.

While the directing committee has not as yet approached manufacturers for financial aid in behalf of the work the bureau is expecting to do, the thought has been expressed by some members of the committee that many manufacturers will undoubtedly be willing to assist in the work.

A meeting of the full committee of the bureau is expected to be held in the near future to plan the assembling of the data required and to secure the services of an outstanding research worker to devote full time to the work.

Chemurgic Conference Reviews Industrial Use of Farm Products

Power alcohol is chemurgy's prime challenge to Americans, Wheller McMillan, president of the National Farm Chemurgic Council, declared at the fourth annual chemurgic conference, held in the Hotel Fontennele, Omaha, Neb., April 25 through 27. He expressed the opinion that the majority of the farm chemurgic movement is opposed to the idea of establishing power alcohol through use of legislation. He felt that power alcohol for motor fuel use should succeed on its scientific and economic merit.

He said that the program of the council for the future is designed to:—(1). Expand the knowledge of possibilities for research to increase farm income and national wealth. (2). To serve as a clearing house for all chemurgic information. (3). To direct attention of private and industrial laboratories to Chemurgic projects and to create popular support in behalf of research in public laboratories and education institutions. (4). To encourage the commercial application of Chemurgic research accomplishments whenever ready for profitable use. (5). To discourage unsound promotions. (6). To finance, in some instances, desirable research projects which neither public nor private laboratories are in position to undertake. (7). To aid and cooperate with other agencies employed with allied efforts.

Leo M. Christensen, vice-president and general manager of the Atchison Agrol Company, Atchison, Kansas, in reporting on the production of "Agrol" said that within a year the cost of denaturing has been reduced $0.0674 per gallon. The saving for daily capacity operation is $674, or $235,900 a year of 350 working days. Translated to the raw materials used, the saving is equivalent to $0.168 per 56 pound bushel or $0.301 per hundred weight He hoped to eliminate another one-half cent per gallon of direct charges and one-half cent of indirect costs. He added that the next plant built will not include more than one-fourth the $55,100 of denaturing equipment installed in the Atchison plant.

He explained that corn and kafir were used mainly in the operations, but recently some experiments were tried with a few tons of artichokes. He added that, of the tuber crops, the better varieties of the Jerusalem artichokes and some kinds of sweet potatoes have the greatest value, but he added the sugar beet is equally good if further mechanization of the crop is accomplished.

The industrialization of sugar, which is taking place with the introduction of corn sugar, was explained by William B. Newkirk, of the Corn Products Refining Company, Argo, Ill.

He said that in dextrose is one of the most active and pure chemical raw materials actually being used for the production of synthetic organic products. Mr. Newkirk said that through fermentation of dextrose, a series of acids such as gluconic and calcium gluconate are being produced in very encouraging tonnages; lactic acid and its salts are also being produced with a series of solvent esters being made from lactic acid. By similar procedure propionic acid is being produced.

He added that arsenates, mercurials and phenols can be introduced to form many toxic compounds which possess germicidal properties, such as aminobenzoic acid glucose esters, and in a similar manner, he said the amino compounds can be added to dextrose to form a series of wetting and dispersing agents for textiles and rubber, such as glucose naphthylamine and glucose alkylamine.

E. F. Johnson, president of the National Soybean Processors Association, told of the future prospects for utilization of soybean products. He said that he hoped by the next annual meeting to be able to give a full report on the use of soybean oilmeal in the production of paper sizing. He said it seemed evident that the production of lecithin is about as large as the trade can use. He said that unless a radical change occurs in relative prices it does not seem probable that a very large tonnage of soybean products can find an outlet in the plastic, cellulose, and related fields.

C. O. Eddy, of the Louisiana State Experiment Station, said that from the standpoint of insect control, the soybean in the South presents two distinct phases, in that it is attacked by a number of destructive insects, and in turn it supplies materials for insecticides that are used to kill destructive pests. He said that among the insect pests that are destructive to the soybean is the bean leaf bettle.

Mr. Eddy said that experimental work in Louisiana has shown that the bean leaf bettle, the Diabrotica beetles, and all the caterpillars, including the

—*Continued on page* 29

Zinc Institute Studies Improved Coatings

St. Louis, Apr. 26, 1938

Developments in zinc coatings and the outlook for basic zinc constituted the topics of discussion at the twentieth annual meeting of the American Zinc Institute, held in Hotel Statler, April 25 and 26. Officers were re-elected.

W. M. Pierce, chief of the research division of the New Jersey Zinc Company, said that the adherence of zinc coating on steel has been quite clearly demonstrated to be influenced, first, by the character of the iron-zinc alloy layer or layers which form during the hot dip galvanizing, and, second, by the ductility or toughness of the outer layer of zinc. He said that the time of immersion in the galvanizing bath can be made extremely short if the iron salts from the pickling are removed by washing and the steel fluxed with 25 percent zinc chloride instead of the common hydrochloric acid before it enters the zinc bath. He explained that this eliminates the necessity for converting the iron chloride to metallic iron which forms dross and zinc chloride, the latter then acting as a flux.

Mr. Pierce told of the difficulty of maintaining satisfactory entrance and exit fluxes on a sheet galvanizing bath. He said that the zinc ammonium chloride base fluxes, which are exclusively used in galvanizing and for which no substitute seems to have been found in spite of a considerable amount of research on the problem, perform without difficulty only when some lead

—*Continued on page* 30

Margarin Probe By Congress Asked

OPD Washington Bureau
April 26, 1938

A congressional investigation of the National Association of Margarine Manufacturers was proposed today in house resolution 480 introduced by Representative Francis D. Culkin, Oswego, N.Y.

The resolution would direct the Speaker to appoint a committee of three members of the house to investigate the institute, its source of revenue, and the character of its disbursement. The preamble states:—

Whereas, there exists in Washington a highly financed, extremely active lobby, which styles itself "The National Association of Margarine Manufacturers," engaged in promoting, among other things, the use of foreign fats and oils in America through the manufacture and sale of butter substitutes; and

Whereas, said procedure is extremely detrimental to the health and physical well-being of the American people, and likewise injurious to the economic well-being of the three million American dairymen.

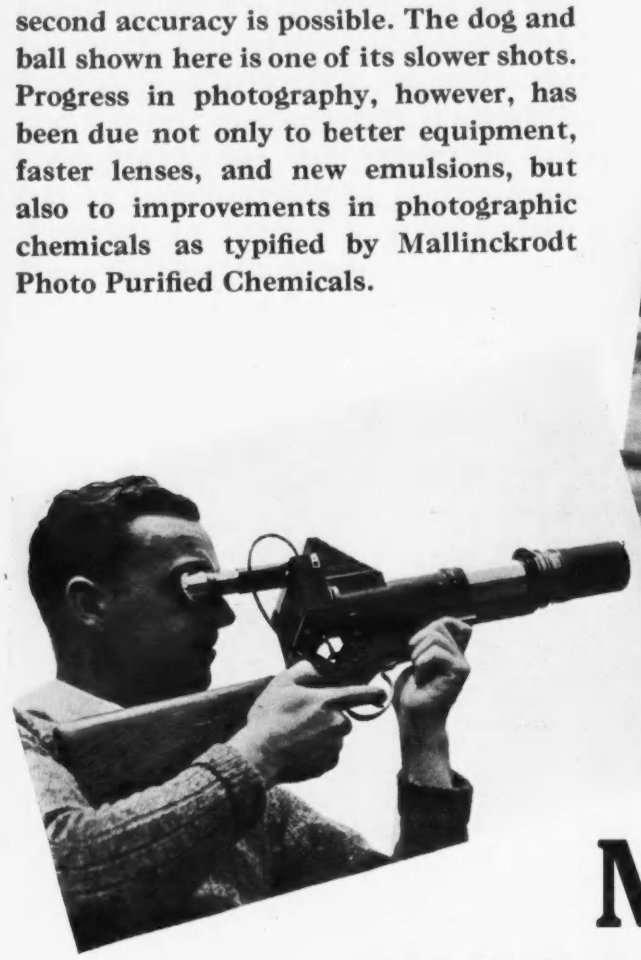
Collective Trademarks Favored in Congress

OPD Washington Bureau
April 27, 1938

The house today passed a bill (H. R. 9996) to permit the registration of collective trademarks by trade associations, cooperative marketers, and similar groups.

The bill was sought by a number of organizations whose members have been using a common trademark which has not been entitled to registration, particularly by the Pennsylvania Crude Oil Association, the California Fruit Growers' Association, and a number of others. Under the present law a foreign association with a mark registered in its own country can obtain trademark protection in the United States, but domestic associations have been denied the privilege.

The new "gun-camera" with which split-second accuracy is possible. The dog and ball shown here is one of its slower shots. Progress in photography, however, has been due not only to better equipment, faster lenses, and new emulsions, but also to improvements in photographic chemicals as typified by Mallinckrodt Photo Purified Chemicals.



MALLINCKRODT
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Among the Mallinckrodt photographic products are Sodium Sulfite Anhydrous Photo, Hydroquinone, PICTOL*, HYPORICE*, Sodium Carbonate Photo, Potassium Bromide, and Silver Nitrate.

The manufacture of an outstanding group of photographic chemicals indicates how Mallinckrodt products are tailor-made to meet the needs of specific industries. In the same way Mallinckrodt manufactures chemicals specifically intended for pharmaceutical, analytical and industrial needs.

ATTENTION
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If photography is your hobby, write for special information about Mallinckrodt photographic chemicals.

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CHICAGO MONTREAL
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MAKERS OF FINE CHEMICALS SINCE 1867

Current Market Quotations

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When not otherwise indicated, quotations are f. o. b. New York prices on large lots. Prices changes and trends are noted in the market reports on other pages, with other informative comment. The locations of the several reports are indicated on page 4.

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A

Acacia (see Gum, Arabic)
Acetal, dms., works....lb. .75 - 1.00
Acetaldehyde, 99%, 55 & 110 gls., dms., dlvd..lb. .14 - —
5 & 10 gal. dms., dlvd.....lb. .16 - —
Acetamide, CP, kgs., 1,000 lb. lots, dlvd..lb. .44 - —
tech., kgs, 1,000 lb. lots, dlvd. lb. .39 - —
Acetanilide, tech., 95%, bbls..lb. .29 Nom.
USP, cryst., bbls., 2,000 lb. lots lb. .32 - —
smaller lots....lb. .33 - —
dms., 25 lb. lots....lb. .38 - —
kgs, 2,000 lb. lots....lb. .33 - —
smaller lots....lb. .34 - —
powd., bbls., 2,000 lb. lots..lb. .30 - —
smaller lots....lb. .31 - —
dms., 25 lb. lots....lb. .36 - —
kgs., 2,000 lb. lots....lb. .31 - —
smaller lots....lb. .32 - —
Acetoacetanilide, dms.....lb. .65 - .70
Acetone, CP, dms., c.l., dlvd..lb. .05¾- —
l.c.l., dlvd.....lb. .06¼- —
tanks, dlvd.....lb. .04¾- —
Methyl (see M)
Acetonphenone, bots.....lb. 1.30 - 1.45
cns., 25 lbs.....lb. 1.15 - 1.25
dms., 100 lbs.....lb. 1.05 - —
Acetophenetidin, bbls., kegs, 1,000 lbs..lb. 1.30 - —
single pkg.....lb. 1.35 - —
smaller pkgs.....lb. 1.62 - 1.40
Acid, abietic, dms., c.l.....lb. .08¾- —
l.c.l.....lb. .09 - .12
Acetic, coml. or redist., 28%, bbls..100 lbs. 2.23 - 2.48
cbys.....100 lbs. 2.73 - 2.98
56%, bbls.....100 lbs. 4.15 - 4.40
cbys.....100 lbs. 4.65 - 4.90
70%, bbls.....100 lbs. 5.17 - 5.42
cbys.....100 lbs. 5.67 - 5.92
80%, bbls.....100 lbs. 5.89 - 6.14
cbys.....100 lbs. 6.39 - 6.64
glacial, nat., CP., cbys..100 lbs. 14.00 - —
99.5%, nat., bbls., c.l., 100 lbs. 7.62 - 7.87
cbys.....100 lbs. 8.12 - 8.37
syn., al. dms., c.l.100 lbs. 8.43 - 8.68
cbys.....100 lbs. 8.98 - 9.18
USP, dms.....100 lbs. 10.25 -10.50
cbys.....100 lbs. 10.75 -11.00
pure, 30%, bbls., c.l..100 lbs. 3.28 - 3.53
cbys.....100 lbs. 3.78 - 4.03
36%, bbls., c.l.....100 lbs. 3.66 - 3.91
cbys.....100 lbs. 4.16 - 4.41
60%, bbls., c.l.....100 lbs. 6.15 - 6.40
cbys.....100 lbs. 6.65 - 6.90
80%, bbls., c.l.....100 lbs. 7.68 - 7.93
cbys.....100 lbs. 8.18 - 8.43

Acetic acid prices above apply delv'd at destination in the following States: Conn., Dela., D. of C., Md., Mass., N. J., N. Y., N. and S. Car., R. I., Penna., and Va. For all other States, except Wash., Ore., and Calif., prices are f.o.b. works, frt. equalized.

Acetic, anhydride, dms., c.l., frt. alld..lb. .10¼- .11⅛
l.c.l., dms., frt. alld.....lb. .12 - .13
Acetylsalicylic, USP, bbls., 200 lbs..lb. .60 - —
boxes, 25 lbs.....lb. .61 - —
kgs., 100 lbs.....lb. .60 - —
Anthranilic, refd., bbls.....lb. 1.15 - 1.20
tech., bbls.....lb. .75 - —
Arsenous, tech. (see Arsenic, White).
USP, powd., dms., kegs...lb. .22 - .25
Ascorbic, bots., dms.....oz. 3.35 - 3.60
Battery, cbys, c.l., E. works 100 lbs. 1.60 - —
l.c.l., 25 or more, E. works, 100 lbs. 1.85 - —
10-24, E. works....100 lbs. 1.95 - —
1-9, E. works.....100 lbs. 2.55 - —
Benzoic, tech., bbls., 4,000 lbs. or more..lb. .43 - —
1,000 to 3,900 lbs.....lb. .44 - —
900 lbs. or less.....lb. .47 - —
USP, bbls., 4,000 lbs. or more lb. .54 - —
1,000 to 3,900 lbs.....lb. .55 - —
900 lbs. or less.....lb. .58 - .59
dms., 4,000 lbs. or more..lb. .55 - .56
1,000 to 3,900 lbs.....lb. .56 - .57
900 lbs. or less.....lb. .59 - .60
Boric, tech., 99.5%, gran., bbls., contracts, 80 tons, delvd. ton.105.00 - —
c.l., delvd.....ton.110.00 - —
l.c.l., ex whse.....ton.115.00 -120.00
sks., contracts, 80 tons, delvd..ton. 95.00 - —
c.l., delvd.....ton.100.00 - —
l.c.l., ex whse.....ton.105.00 -110.00
powd., bbls., contracts, 80 tons, delvd..ton.110.00 - —
c.l., delvd.....ton.115.00 - —
l.c.l., ex whse.....ton.120.00 -135.00
sks., contracts, 80 tons, delvd..ton.100.00 - —
c.l., delvd.....ton.105.00 - —
l.c.l., ex whse.....ton.110.00 -125.00
USP, $25 per ton higher.
Broenner's, bbls.....lb. 1.11 - —
Butyric, 99%, dms., c.l., S. Charleston, W. Va..lb. .22 - —
l.c.l., same basis.....lb. .23 - —
tanks, same basis.....lb. .21 - —
Camphoric, cns.....lb. 5.50 - 5.70
Capric, dms.....lb. .12 - .12½
Caproic, cns.....lb. 2.20 - —
Carbolic (see Phenol).
Castor oil, split, dms.....lb. .17½- .18
Chinawood oil, dms.....lb. .18 - .18½
Chlorosulphonic, dms., c.l., works..lb. .0350- —
5-drum lots, works.....lb. .04 - —
single drum.....lb. .05 - —
tanks, works.....lb. .03 - —
Chromic, 99%, dms., delvd. N. Y..lb. .15¼- .17¼
Cinnamic, refd., bots.....lb. 2.85 - 3.25
Citric, cryst., bbls.....lb. .24 - —
kegs.....lb. .24½- —
gran., bbls.....lb. .24 - —
kegs.....lb. .24½- —
powd., bbls.....lb. .24½- —
anhyd., gran., dms.....lb. .26½- —
powd., dms.....lb. .27 - —

Prices on citric acid are f.o.b. N. Y., Chicago and St. Louis deliveries are ½c. higher than N. Y.

Cleve's, bbls.....lb. .57 -
Acid, coconut oil, dist., dms..lb. .09½- .10
Corn, dist., dms.....lb. .06 - .06½
Cottonseed oil, dist., dms....lb. .0635- .0735
tanks.....lb. .0585- —
Cresylic, high-boil, dom., c.l., works, frt. equaled..gal. .79 - —
l.c.l., same basis.....gal. .81 - —
low-boil, dms., c.l., works frt. equaled..gal. .87 - —
l.c.l., same basis.....lb. .89 - —
imported, pale, 97-99, dms., gal. .80 - .86½
Crotonic, bbls., dlvd.....lb. .21 - —
smaller containers, dlvd....lb. .50 - —
Diethylbarbituric (see Barbital))
Formic, dom., seaboard, 90% cbys., f.o.b. stock points, c.l...lb. .10½- —
l.c.l., 25 and over.lb. .11 - —
1-24 .....lb. .11¼- —
inland territory, cbys., c.l.lb. .1185- —
l.c.l., 25 and over.....lb. .1235- —
1-24 .....lb. .1285- —
southern territory, cbys., c.l., lb. .1170- .1240
l.c.l., 25 and over.....lb. .1220- .1290
1-24 .....lb. .1270- .1320
Fumaric, bbls. .....lb. .75 - —
Gallic, tech., bbls.....lb. .70 - .73
N. F., VI, bbls., 200 lbs., 5 or more..lb. .77 - —
single bbls. .....lb. .80 - —
fib. dms., 25 lbs.....lb. .81 - —
Gamma, bbls. .....lb. .85 - —
Gluconic, tech., 50%, bbls., 500 lbs..lb. .20 - —
H, bbls. .....lb. .50 - .55
Hempseed oil, dms.....lb. .1180- .1225
Hydriodic, 47%, bots.....lb. 2.20 - 2.25
57%, bots. .....lb. 2.65 - 2.70
Hydrobromic, 10% dilut., USP, lb. .20 - .21
pure, 34% conct, cbys.....lb. .42 - .44
Hydrochloric (see Muriatic).
Hydrocyanic, cyls, works....lb. .80 - 1.00
Hydrofluoric, 30%, bbls.....lb. .07 - .0750
lead, cbys. .....lb. .09 - .0950
48%, lead cbys.....lb. .1150- .12
52%, lead cbys.....lb. .1250- .13
60%, lead cbys.....lb. .15 - .1550
Hydrofluosilicic, 30-35%, bbls.lb. .10½- .15
Hypophosphorus, USP, 30%, djns..lb. .75 - —
Lactic, tech., dark, 22%, bbls., c.l., works..100 lbs. 2.50 - —
l.c.l., bbls., works..100 lbs. 2.75 - —
cbys., works....100 lbs. 3.75 - —
44%, bbls., c.l., works, 100 lbs. 5.50 - —
l.c.l., bbls., works..100 lbs. 5.75 - —
cbys., works....100 lbs. 6.75 - —
light, 22%, bbls., c.l., works, 100 lbs. 3.50 - —
l.c.l., bbls., works..100 lbs. 3.75 - —
cbys., works....100 lbs. 4.75 - —
44%, bbls., c.l., works, 100 lbs. 6.50 - —
l.c.l., bbls., works..100 lbs. 6.75 - —
cbys., works....100 lbs. 7.75 - —
50%, edible, 20 and over, bbls., cbys..lb. .10½- .11½
plastic grade .....lb. .12¼- .13¼
5 to 19, edible, bbls., cbys., lb. .11 - .12
plastic grade.....lb. .12¾- .13¾
1 to 4, edible, bbls., cbys., lb. .11½- .12½
plastic grade.....lb. .13¼- .14½
80%, 5 and over, bbls., cbys..lb. .21 - .22
1 to 4 bbls., cbys.....lb. .21½- .22½
USP, XI, 85%, cbys.....lb. .43 - .45
USP, VIII, 75%, cbys.....lb. .41 - .43
Lauric, split, dms.....lb. .08½- 09
Laurent's, bbls.....lb. .45 - —
Levulinic, 5lb. bots., works.lb. 2.00 - —
Linseed, oil, dark or light, dms..lb. .1180- .1220
tanks .....lb. .1120- —
extra white, dms.....lb. .13 - .13½
Maleic, powd., dms.....lb. .30 - .40
anhydride, dms.....lb. .33 - .43
Malic powd., kegs.....lb. .45 - .60
Mandelic, bots.....lb. 2.30 - —
dms., 1,000 lbs...lb. 1.90 - —
smaller lots .....lb. 2.15 - —
Mixed, tanks, nitric unit....lb. .05 - .06
sulphuric unit.....lb. .0085- .009
Molybdic, kgs., works.....lb. .95 - 1.10
Monochloroacetic, tech., bbls.lb. .15 - .18
Monosulphonic, bbls. .....lb. 1.50 - 1.60
Muriatic, 18°, cbys., c.l., E. works..100 lbs. 1.50 - —
l.c.l., 25 and over, E. works..100 lbs. 1.75 - —
10 to 24, works..100 lbs. 1.85 - —
1 to 9, works..100 lbs. 2.45 - —
tanks, works.....100 lbs. 1.05 - —
20°, cbys., c.l., E. works, 100 lbs. 1.75 - —
l.c.l., 25 and over, works, 100 lbs. 2.00 - —
10 to 24, works..100 lbs. 2.10 - —
1 to 9, works..100 lbs. 2.70 - —
tanks, works.....100 lbs. 1.15 - —
22°, cbys., c.l., E. works, 100 lbs. 2.25 - —
l.c.l., 25 and over, works, 100 lbs. 2.50 - —
10 to 24, works..100 lbs. 2.60 - —
1 to 9, works..100 lbs. 3.20 - —
tanks, works.....100 lbs. 1.65 - —
C.P., USP, dealers, cbys..lb. .06½- —
6-lb. bots.....lb. .18½- —
consumers, cbys.....lb. .08 - —
6-lb. bots.....lb. .20 - —
Myristic, dist., dms.....lb. .15¾- .16¼
Naphthenic, S.V. 120-200, dms., lb. .07 Nom.
210-230, dms.....lb. .09 Nom.
240-280, dms... .....lb. .10 Nom.
sludges, dms.....lb. .05 Nom.
Neville & Winther's, bbls....lb. .63 - —
Nitric, 36°, cbys., c.l., E. works, 100 lbs. 5.00 - —
l.c.l., 25 and over, E. works..100 lbs. 5.25 - —
10 to 24, works..100 lbs. 5.35 - —
1 to 9, works..100 lbs. 5.95 - —
38°, cbys., c.l., E. works, 100 lbs. 5.50 - —
Western works...100 lbs. 5.75 - —
l.c.l., 25 and over, E. works..100 lbs. 5.75 - —
10 to 24, works..100 lbs. 5.85 - —
1 to 9, works..100 lbs. 6.45 - —
Acid, nitric, 40°, cbys., c.l., E. works..100 lbs. 6.00 - —
l.c.l., 25 and over, E. works..100 lbs. 6.25 - —
10 to 24, works..100 lbs. 6.35 - —
1 to 9, works..100 lbs. 6.95 - —
42°, cbys., c.l., E. works, 100 lbs. 6.50 - —
l.c.l., 25 and over, works, 100 lbs. 6.75 - —
10 to 24, works..100 lbs. 6.85 - —
1 to 9, works..100 lbs. 7.45 - —
C.P., USP, dealers, cbys...lb. .11½- —
7-lb. bots.....lb. .22½- —
consumers, cbys.....lb. .13 - —
71b. bots.....lb. .24 - —
Oleum (see sulphuric fuming).
Oxalic, dom., bbls., c.l., works, lb. .10¾- —
10,000 lbs., and over....lb. .11 - —
smaller quantities.....lb. .12 - .14
Palm oil, d. dist., dms.....lb. .0650- .0740
s. dist., dms.....lb. .0590- .0680
Perilla, dist., dms.....lb. .1522- .1572
Phenylacetic, bots.....lb. 1.85 - 3.25
Phosphoric, tech., 50% cbys..lb. .06 - —
75%, cbys.....lb. .09 - —
USP, 85%, s. g. 1.710, cbys., 180 lbs..lb. .12 - —
50% s. g., 1347, cbys., 70 lbs..lb. .12 - —
djns., 25 lbs.....lb. .15 - —
10%, dilut., cbys., djns..lb. .07 - .07½
Picramic, kgs.....lb. .65 - .70
Picric, bbls.....lb. .35 - —
Propionic ref., cbys., works..lb. .25 Nom.
dms., works.....lb. .22 Nom.
tech., cbys., works.....lb. .20 Nom.
dms., works.....lb. .16 Nom.
Pyrogallic, tech., lump, powd., bbls..lb. 1.05 - —
cns. .....lb. 1.10 - —
USP, cryst., cns.....lb. 1.45 - 1.63
resubl., cns.....lb. 2.05 - 2.15
Pyroligneous, bbls., dlvd. E. gal. .25 - —
Ricinoleic, dms .....lb. .35 - —
tech., bbls.....lb. .13 - —
Salicylic, tech., bbls.....lb. .33 - —
USP, bbls.....lb. .40 - .45
Sebacic, C.P., bbls., works..lb. .58 - —
tech., bbls., works.....lb. .37 - .41
Soybean oil, dist., dms.....lb. .09 - .09½
Stearic, distil., double pressed, bgs., dlvd..lb. .11 - .12
single pressed, bgs., dlvd.lb. .10½- .11½
triple pressed, bgs., dlvd..lb. .13¾- .14¾
saponif., double pressed, bgs., dlvd..lb. .11¼- .12¼
triple pressed, bgs., dlvd..lb. .14 - .15
Succinic, bbls.....lb. .75 - —
Sulphanilic, CP, bots, works.lb. 1.60 - 1.68
tech., dms., works.....lb. .17 - —
Sulphonaphthenic, dms.....lb. .04 - .10
Sulphuric, 60°, cbys., c.l., E. works..100 lbs. 1.25 - —
l.c.l., 25 and over, works, 100 lbs. 1.50 - —
10 to 24, works..100 lbs. 1.60 - —
1 to 9, works..100 lbs. 2.20 - —
tanks, E. works.....ton.13.00 - —
66°, cbys., c.l., E. works, 100 lbs. 1.50 - —
l.c.l., 25 and over, works, 100 lbs. 1.75 - —
10 to 24, works..100 lbs. 1.85 - —
1 to 9, works..100 lbs. 2.45 - —
tanks, E. works.....ton.16.50 - —
98°, tanks, works.....ton.17.50 - —
C.P., USP., dealers, cbys., lb. .06½- —
9-lb. bots. .....lb. .16½- —
consumers, cbys. .....lb. .08 - —
9-lb. bots. .....lb. .18 - —
fuming, 20%, tanks, E. works, ton.18.50 - —
65%, tanks, E. works....ton.36.00 - —
Tannic, tech., bbls., dms...lb. .40 - .47
USP, fluffy, bbls., 1,000 lb.-100-lb. lots .....lb. .90 - —
25-lb. lots .....lb. .93 - —
powd., bbls., 1,000 lbs....lb. .78 - —
smaller lots .....lb. .80 - —
Tartaric USP, dom., cryst., gran., powd., bbls., 10,000 lbs. or more, one shipment..lb. .25¼- —
smaller quantities.....lb. .25¾- —
kgs. .....lb. .26¼- —
Tobias, bbls. .....lb. .65 - —
Trichloroacetic, bots. .....lb. 2.00 - 2.50
Tungstic, CP, kgs, works....lb. 2.85 - 3.10
tech., kgs., works.....lb. 1.90 - 2.00
Aconite, leaves, bls.....lb. .25 - .26
Root, bls.....lb. .29 - .32
Aconitine, amorph., bots.....oz.17.00 -18.00
vis. .....gr. .06 - .09
cryst., bots.....oz.30.00 - —
vis. .....gr. .09 - .11
Adeps lanae, anhyd., dms....lb. .17½- .19
hyd., dms.....lb. .16 - .18
Agar, 1, bls.....lb. .90 - .95
2, bls.....lb. .85 - .90
3, bls.....lb. .65 - .67
Agaric, white, bls.....lb. 3.00 - 3.20
Albumen, blood, dark, flake, bgs., f.o.b. Chicago, frt. alld....lb. .13 - —
pow'd, grade A, same basis, ton lots..lb. .15 - —
lots..lb. .88 - —
smaller lots, same basis, lb. .18 - —
light, dom., flake, dms., f.o.b., Chicago., frt. alld. lb. .52 - .60
import, bgs. .....lb. .50 - —
Egg, ed., dom., cryst., bbls., lb. .80 - .82
dom., pwd., dms., bbls., lb. .85 - .87
import, cs. .....lb. .85 - —
Alcohol, amyl (see also Fusel oil, refd.), ex pentane dms., c.l., frt. alld..lb. .133 - —
l.c.l., frt. alld.....lb. .143 - —
tanks, frt. alld.....lb. .123 - —
secondary, dms., c.l., frt. pd., E. of Rocky Mts..lb. .09½- .10
l.c.l., same terms.....lb. .10 - .10½
tanks, same terms.....lb. .08½- .09
Benzyl, cans.....lb. .68 - —
drums .....lb. .63 - —
Butyl, normal, dms., c.l., frt. alld..lb. .10 - —
l.c.l., frt. alld.....lb. .10¼- —
tanks, frt. alld.....lb. .09 - —
secondary, dms., c.l., frt. pd., E. of Rocky Mts..lb. .07 - —
l.c.l., same terms.....lb. .07½- —
tanks, same terms.....lb. .06 - —

Acacia—Alum

Alcohol, butyl, tertiary, denat., dms., frt. alld..lb. .14 - —
Capyri, pure, dms., works...lb. 2.50 - —
tech., dms., works.....lb. .85 - —
Cetyl, dom., C.P., fiber ctns., 1,000 lbs..lb. 1.50 - —
500 lbs.....lb. 1.70 - —
100 lbs.....lb. 1.80 - —
25 lbs.....lb. 1.90 - —
5 lbs.....lb. 2.00 - —
com'l., dms.....lb. .95 - —
import, 85%, 100 lb. dms...lb. .55 - —
5 to 10 lbs.....lb. .75 - —
coml., dms., 350 lbs.....lb. .45 - —
Cinnamic, bots.....lb. 2.00 - 2.50
Denatured, CD11, 12, 13, dms., c.l., works, E..gal. .33 - —
l.c.l., works, 20 dms....gal .35 - —
1 to 19 dms.....gal. .38 - —
tanks, E., works.....gal. .27 - —

Prices for territories other than E. of Rockies, 3c. per gal. higher. Tankcar sales require written authorization by Alcohol Tax Unit.

SD1, 190 pf., bbls., c.l., E. works..gal. .32 - —
19 bbls., E. works...gal. .34 - —
1 to 18 bbls., E. works, gal. .37 - —
dms., c.l., E. works....gal. .31 - —
19 dms., E. works...gal. .33 - —
1 to 18 dms., E. works, gal. .36 - —
tanks, E. works.....gal. .25 - —

Anhydrous, 5c. per gal. higher.

SD23-G, works, E., dms., c.l., gal. .35½- —
19 dms.....gal. .37½- —
1 to 18 dms.....gal. .40½- —
tanks .....gal. .29½- —

Prices for territories other than E. of Rockies, 3c. per gal. higher.

Special solvent, dms., c. l., E. works..gal. .32 - —
20 dms., E. works...gal. .34 - —
1 to 19 dms., E. works, gal. .37 - —
tanks, E. works.....gal. .26 - —

Tankcar sales require written authorization by Alcohol Tax Unit.

Diacetone, pure, contract, dms., c.l., frt., alld...lb. .11½- —
l.c.l., frt. alld.....lb. .12 - —
tech., contract, dms., c.l., frt. alld..lb. .10½- —
l.c.l., frt. alld.....lb. .11 - —
Ethyl, 190 pf., ex molasses, bbls., c.l..gal. 4.11 - —
19 bbls.....gal. 4.13 - —
1 to 18 bbls.....gal. 4.16 - —
dms., c. l.....gal. 4.10 - —
19 dms.....gal. 4.12 - —
1 to 18 dms.....gal. 4.15 - —
tanks .....gal. 4.04 - —
absolute, dms., c.l.....gal. 4.40 - —
19 dms.....gal. 4.42 - —
1 to 18 dms.....gal. 4.45 - —
Grain alcohol 45c. per gal. higher.
Furfuryl, tech., cns., works..lb. .45 - —
dms., c.l., 33,000 lbs., works, lb. .30 - —
l.c.l., 500 lbs. and more, works..lb. .35 - —
Hexyl, secondary, dms., c.l., frt. pd. E. of Rocky Mts.lb. .13 - —
l.c.l., same terms.....lb. .13¼- —
tanks, same terms.....lb. .12 - —
Isoamyl, primary, dms., l.c.l., dlvd..lb. .27 - —
cans, works.....lb. .32 - —
Isobutyl, refd., dms., c.l., works, frt. alld. E. of Rockies.lb. .09¼- —
l.c.l., same terms.....lb. .10 - —
tanks, same terms.....lb. .08¼- —
Isopropyl, 99%, c.l., dms., f.o.b., dest..gal. .36 - —
l.c.l., same basis.....gal. .41 - —
tanks, same basis.....gal. .31 - —
refd., 91%, dms., c.l., same basis..gal. .36 - —
l.c.l., same basis.....gal. .41 - —
tanks, same basis.....gal. .31 - —
tech., 91%, dms., c.l., same terms..gal. .33½- —
l.c.l., same terms....gal. .38½- —
tanks, same terms....gal. .28½- —
98%, dms., c.l., same terms, gal. .37½- —
l.c.l., same terms....gal. .42½- —
tanks, same terms.....gal. .32½- —
Methyl (see Methanol)
Phenylethyl, bots., cns.....lb. 2.70 - 4.35
Propyl (see Isopropyl)
Aldehol, denat., grade, dms., tanks, works.....gal. .70 - .73
Aldehyde bisulphite bbls., dlvd. lb. .17 - —
smaller containers.....lb. .20 - —
Aldol, 95%, 55 & 110 gal. dms., dlvd..lb. .20 - —
5 & 10 gal. dms., dlvd....lb. .22 - —
Aletris root, bgs.....lb. .38 - .39
Alizarin (see Red, alizarin).
Alkanet root, bgs.....lb. .10 - .11
Aloe, Barbados, true, cs.....lb. .85 - .90
Cape, cs.....lb. .22 - .23
Curacao, cs. .....lb. .35 - .37
gourds, bbls.....lb. .50 - .55
Socotrine, kgs.....lb. .45 - .50
Aloin, 140-lb. bbls.....lb. 2.00 - —
100-lb. kegs.....lb. 2.02 - —
25-lb. fib. dms.....lb. 2.09 - —
Alphanaphthol, bbls.....lb. .52 - —
Alphanaphthylamine, bbls.....lb. .32 - —
Althea root, cube cut, bls....lb. .30 - .32
Alum, ammonia, burnt, USP, bbls. kgs..lb. .16 - .18
gran., bbls., works....100 lbs. 3.15 - 3.40
dlvd. N.Y., Phila..100 lbs. 3.15 - —
lump, bbls., works....100 lbs. 3.40 - 3.65
dlvd. N.Y., Phila..100 lbs. 3.40 - —
powd., bbls., works....100 lbs. 3.55 - 3.80
dlvd. N.Y., Phila..100 lbs. 3.55 - —

Ammonia alum prices are for contract and open market; f.o.b. Phila.; frt. equalized with Marcus Hook, Boston, Atlanta, or Joliet; rail or water rates, whichever is lower. L.c.l. quantities must carry l.c.l. rate applying; for truck or ex warehouse deliveries all metrop. zones (except N.Y.) add l.c.l. rail or water rate, whichever is lower, from shipping or equalization point; dlvd. N.Y. prices apply to truck or ex warehouse.

Alum—Black, Carbon

Alum, potash, gran., bbls., works, 100 lbs. 3.40- 3.65
dlvd. N.Y., Phila..100 lbs. 3.40 - —
lump, bbls., works....100 lbs. 3.65 - 3.90
dlvd. N.Y. Phila..100 lbs. 3.65 - —
powd., bbls., works....100 lbs. 3.80 - 4.05
dlvd. N.Y., Phila..100 lbs. 3.80 - —
Potash alum prices on same basis as those for ammonia alum.
Potash-chrome, bbls.....lb. .06¼- .06½
Soda, bbls., c.l., works..100 lbs. 3.25 - —
l.c.l., dlvd.....100 lbs. 4.25 - 5.00
Alumina acetate, 20% normal solut., bbls., c.l., dlvd..lb. .07½- —
l.c.l., dlvd.....lb. .09 - —
32%, basic solut., bbls., c.l., dlvd..lb. .10 - —
l.c.l., dlvd.....lb. .12 - —
basic powd., bbls., dlvd.....lb. .40 - —
smaller containers, dlvd. lb. .50 - —
Formate, 30% solut., bbls., c.l., dlvd..lb. .13 - —
l.c.l., dlvd.....lb. .15 - —
Chloride, anhyd., com'l, dms. (extra), 45,000 lbs. and over, works..lb. .05 - —
12,000 to 40,000 lbs., works..lb. .06 - —
1,100 to 11,000 lbs., works..lb. .07 - —
140 to 875 lbs., works.lb. .08 - —
100 lbs., or less, works.lb. .09 - —
cryst., com'l, dms., c.l., works..lb. .06 - —
l.c.l., dms., works.....lb. .06½- —
solution, 32 deg., cbys., c.l., works..lb. .02¾- —
l.c.l., cbys., works.....lb. .03¼- —
Hydrate, heavy, bbls., c.l., works..lb. .0260- —
l.c.l., bbls.....lb. .03½- —
bgs., c.l.....lb. .0260- —
light, bbls., dlvd.....lp. .12 - —
Oleate, dms., contr.....lb. .16¾- —
open order.....lb. .17½- .18½
Palmitate, precip., bbls.....lb. .23 - —
Resinate, precip., dms., dlvd.lb. .15 - —
Stearate, precip., bbls., ctns., c.l..lb. .19 - —
l.c.l., ton.....lb. .20 - —
less than ton.....lb. .21 - —
Sulphate, com'l, bgs., c.l. works, frt. equaled.100 lbs. 1.35 - —
l.c.l., works, frt. equald.. 100 lbs. 1.60 - —
bbls., c.l., works, frt. equald. 100 lbs. 1.55 - —
l.c.l., works, frt. equald. 100 lbs. 1.80 - —
iron-free, bgs., c.l., works... 100 lbs. 2.00 - —
l.c.l., works....100 lbs. 2.25 - 2.40
truckloads, bgs.....100 lbs. 2.40 - —
10 to 24, dlvd. met. N.Y. 100 lbs. 2.55 - —
5 to 9, dlvd. met. N.Y. 100 lbs. 2.80 - —
1 to 4, dlvd. met. N. Y. 100 lbs. 3.30 - —
bbls., c.l., works....100 lbs. 2.20 - —
l.c.l., works.....100 lbs. 2.45 - —
truckloads, dlvd., met. N.Y. 100 lbs. 2.60 - —
10 to 24, dlvd. met. N.Y. 100 lbs. 2.75 - —
5 to 9, dlvd. met. N.Y. 100 lbs. 3.00 - —
1 to 4, dlvd. met. N.Y. 100 lbs. 3.30 - —
Aluminum, 98-99%, dms., c.l..lb. .20 - —
l.c.l. .....lb. .21 - —
paste, extra fine lining, dms., 30,000 lbs., frt. alld. E. of Miss..lb. .63 - —
5,000 lbs., same basis..lb. .64 - —
1,500 lbs., single shipt., same basis..lb. .65 - —
On 1,500-lb. orders in split shipment the price is ½c. higher in lots of 400 lbs. and more; 1c. higher in lots of 200-399 lbs.; 3c. higher in lots of 10-199 lbs.; on smaller orders the price is higher than the 1,500-lb. basis by 1c. in lots of 1,000 lbs. and more; 2c. on 400-999 lbs.; 5c. on 200-399 lbs.; 10c. on 10-199 lbs.
ink, dms., 30,000 lbs., same basis..lb. .73 - —
5,000 lbs., same basis.....lb. .74 - —
1,500 lbs., single shipt., same basis..lb. .75 - —
split shipts. (see note fine lining paste).
standard, dms., 30,000 lbs., same basis..lb. .41 - —
5,000 lbs., same basis..lb. .42 - —
1,500 lbs., single shipt., same basis..lb. .43 - —
split shipts. (see note fine lining paste).
powder, lining, extra fine, dms., 30,000 lbs., same basis..lb. .90 - —
5,000 lbs., same basis..lb. .91 - —
1,500 lbs., single shipt., same basis..lb. .92 - —
split shipts. (see note fine lining paste).
standard, dms., 30,000 lbs., same basis..lb. .55 - —
5,000 lbs., same basis..lb. .56 - —
1,500 lbs., single shipt., same basis..lb. .57 - —
split shipts. (see note fine lining paste).
litho, extra brilliant, dms., 30,000 lbs., same basis, lb. .41 - —
5,000 lbs., same basis..lb. .42 - —
1,500 lbs, single ship., same basis..lb. .43 - —
split shipts. (see note fine lining paste).
extra fine, dms., 30,000 lbs., same basis..lb. .45 - —
5,000 lbs., same basis..lb. .46 - —
1,500 lbs., single ship., same basis..lb. .47 - —
split shipts. (see note fine lining paste).
standard dms., 30,000 lbs., same basis..lb. .40 - —
5,000 lbs., same basis..lb. .41 - —
1,500 lbs., single shipt., same basis..lb. .42 - —
split shipts. (see note fine lining paste).
wallpaper, dms., 30,000 lbs., same basis..lb. .41 - —
5,000 lbs., same basis..lb. .42 - —
1,500 lbs., single shipt., same basis..lb. .43 - —
split shipts. (see note fine lining paste).
rubber comp., dms., 30,000 lbs., same basis..lb. .38 - —
5,000 lbs., same basis..lb. .39 - —
1,500 lbs., single shipt., same basis..lb. .40 - —
split shipts (see note fine lining paste).

Aluminum, powd., unpolished, dms., 30,000 lbs., same basis..lb. .35 - —
5,000 lbs., same basis...lb. .36 - —
1,500 lbs., single shipt., same basis..lb. .37 - —
split shipts. (see note fine lining paste).
varnish, extra brilliant, dms., 30,000 lbs., same basis, lb. .41 - —
5,000 lbs., same basis..lb. .42 - —
1,500 lbs., single shipt., same basis..lb. .43 - —
split shipts. (see note fine lining paste).
extra fine, dms., 30,000 lbs., same basis..lb. .45 - —
5,000 lbs., same basis..lb. .46 - —
1,500 lbs., single shipt., same basis..lb. .47 - —
split shipt. (see note fine lining paste).
standard, dms., 30,000 lbs., same basis..lb. .40 - —
5,000 lbs., same basis.lb. .41 - —
1,500 lbs., single shipt., same basis..lb. .42 - —
split shipts. (see note fine lining paste).
Ambergris, gray, tins.....oz. 17.00 -36.00
Aminopyrine, fib., dms., 100 lbs., lb. 4.00 - —
bots., 5 lbs.....lb. 4.22 - 4.35
Ammonia, acetate, kgs.....lb. .26 - .33
Aldehyde, dms.....lb. .65 - .70
Anhydrous, fertilizer, com'l, tanks (50,000 lbs.). works..lb. .04½- —
refrigeration, tanks, works..lb. .05 - —
pure, cyls., dlvd., met. N.Y., lb. .16 - .22
Anhydrous ammonia in cylinders is quoted on a nationwide schedule of delivered and stock point prices in all States.
Aqua, 26°, cbys.....lb. .05¼- —
dms., c.l.....lb. .02¼- —
l.c.l. .....lb. .02½- —
tanks (on NH_3 content), dlvd., E..lb. .05 - .05½
Benzoate, dms., 4,000 lbs. or more..lb. .41 - .42
1,000 lbs. to 3,900 lbs....lb. .42 - .43
900 lbs. or less.....lb. .45 - .46
kgs., 4,000 lbs. or more...lb. .40 - —
1,000 lbs., to 3,900 lbs...lb. .41 - —
900 lbs. or less.....lb. .44 - —
Bicarbonate, bbls., c.l., works, 100 lbs. 5.15 - —
l.c.l., dlvd. N. Y....100 lbs. 5.71 - —
Bichromate, bbls.....lb. .32 - —
Bifluoride, bbls.....lb. .17 - .19
Borate, bbls., kgs.....lb. .15 - .16
Bromide, gran., bbls.....lb. .35 - —
bxs. .....lb. .38 - .39
kgs. .....lb. .36 - —
Carbonate, tech., dom., bbls. lb. .08 - .12½
imported, csks. .....lb. .08 - .12½
USP, lump, dms.....lb. .08 - .17
powd., bbls., dms.....lb. .09 - .25
Chloride, tech. (see Ammoniac, sal).
USP, gran., 225 lb. bbls....lb. .12 - .13
100 lb. kgs. .....lb. .15 - —
Citrate, dms. .....lb. .80 - —
cns. .....lb. .85 - —
Fluoride, bbls. .....lb. .17 - .19
Hydroxide, (see Ammonia, aqua),
Hypophosphite, fib., dms....lb. 1.10 - 1.17
jars .....lb. 1.20 - —
Iodide, 5-lb. bots.....lb. 3.32 - —
jars .....lb. 3.25 - —
Laurate, bbls. .....lb. .23 - —
Linoleate, 80%, anhyd., bbls.lb. .12 - .15
Molybdate, kgs., wks.....lb. 1.05 - 1.20
Naphthenate, bbls. .....lb. .17 - —
Nitrate, tech., bags, c.l., works, 100 lbs. 3.60 - —
l.c.l., works.....100 lbs. 3.85 - —
bbls., c.l., works.....100 lbs. 3.80 - —
l.c.l., works.....100 lbs. 4.05 - —
Oleate, dms.....lb. .14 - .15
Oxalate, neutral, cryst., powd., bbls., kgs..lb. .19 - .20
Perchlorate, kegs.....lb. .16 - —
Persulphate, kgs.....lb. .21 - .22
Phosphate, dibasic, N.F.V., bls., lb. .37 - —
kgs. .....lb. .39 - —
tech., bbls., c.l. .....lb. .07½- —
l.c.l. .....lb. .09 - .10
monobasic, crude (fert. grade), 11% N 18% phos. bulk, f.o.b. E. works.. unit-ton. 1.20 & .70
pure, bbls. .....lb. .40 - .45
tech., bbls., c.l. .....lb. .07½- —
l.c.l. .....lb. .09 - .10
Ricinoleate, bbls.....lb. .15 - —
Salicylate, U.S.P., kgs.....lb. 1.15 - 1.20
Stearate, anhydrous.....lb. .22 - —
paste .....lb. .07 - —
Sulphate, dom., bulk, c.l., f.o.b. ports or ovens.ton. 29.50 - —
Ammonia sulphate bag packing charged extra at $1.30 per ton for 200's and $2 per ton for 100's. Deliveries in Ill., Mich., Ind., Ohio, Wis., and Ohio river destinations in Ky. are f.o.b. ovens freight allowed.
Sulphide, liquid, 35-40%, basis 100%, dms,, works..lb. .12 - .15
tanks, delvd. .....lb. .11 - —
Sulphocyanide, com'l, fib., dms., 2,000 lbs., works.....lb. .14 - —
smaller lots, works.....lb. .16 - —
pure, 99-100%, kgs. .....lb. .55 - —
Ammoniac, gum (see Gum, ammoniac).
Sal, gray, dom,, bbls., c.l., 100 lbs. 5.50 - 5.75
l.c.l. .....100 lbs. 6.00 - 6.70
Sal, white, gran., dom., bbls., contracts, N. Y., l.c.l. 100 lbs. 4.90 - 5.05
import, csks.....100 lbs. 5.00 - 5.05
Amyl acetate, ex fusel oil, dms., c.l., works..lb. .11 - —
l.c.l., frt., alld.....lb. .11½- —
tanks, works.....lb. .10 - —
ex pentane, dms., frt. alld.lb. .125 - —
l.c.l., frt., alld.....lb. .135 - —
tanks, frt., alld.....lb. .115 - —
secondary, dms., c.l., frt. pd., E. of Rocky Mts..lb. .09½- —
l.c.l., same terms.....lb. .10 - —
tanks, same terms.....lb. .08½- —
Alcohol (see Alcohol amyl).
Butyrate, dms., 50 gal., returnable..lb. .75 - —
Caproate, cns.....lb. 2.75 - —
Chloride, normal, dms., works, lb. .56 - —
small lots, works.....lb. .68 - —
mixed, tech., dms., c.l., works..lb. .07 - —
l.c.l., works.....lb. .077 - —
tanks, works.....lb. .06 - —
Cinnamic aldehyde, cns.....lb. 2.00 - 2.25
Nitrite, bots.....lb. 1.80 - 1.85
Mercaptan, dms., l.c.l., works.lb. 1.10 - —
Oleate, dms., l.c.l., works....lb. .25 - —
Salicylate, bots., 5 lbs.....lb. .61 - —
cns., 25 lbs.....lb. .51 - —
Stearate, dms., l.c.l., works..lb. .26 - —
Amylene, dms., c.l., works....lb. .102 - —
l.c.l., works.....lb. .11 - —
tanks, works.....lb. .09 - —
Anethol, bots.....lb. 1.25 - 1.30
Angelica root, dom., bls.....lb. .16 - .22
import, natural, bls.....lb. .20 - .22
twisted, bls.....lb. .30 - .40
Angostura bark, bls.....lb. .30 - .31

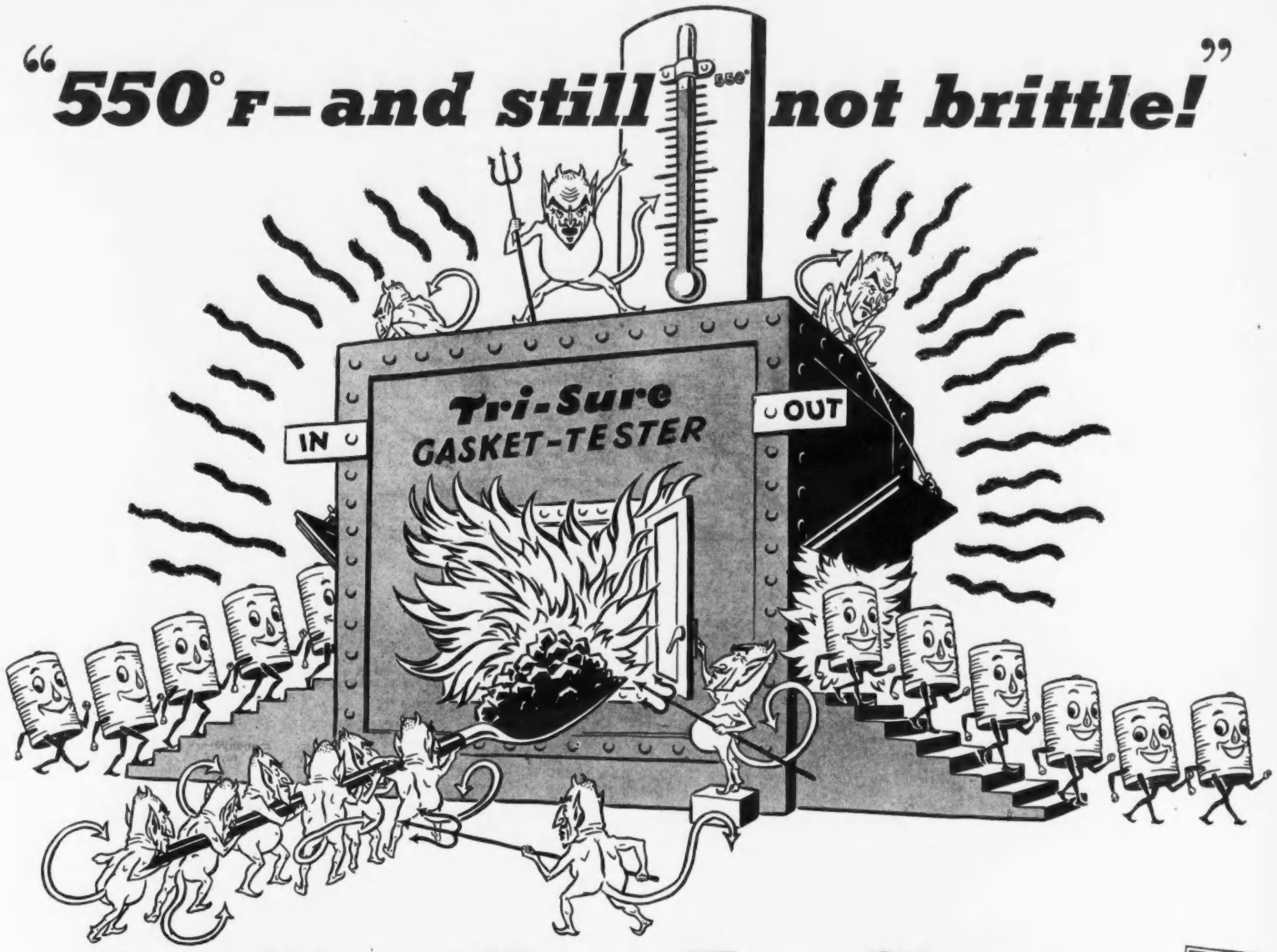
Anilin oil, dms.....lb. .15 - .16
tanks .....lb. .14½- —
Salt, dms., works.....lb. .22 - .24
Anise, Spanish, bgs.....lb. .13 - .13½
Star, bgs.....lb. .14 - .15
Anisic aldehyde, bots.....lb. 3.00 - 3.10
Annatto paste, bxs.....lb. .34 - .39
seed, bgs .....lb. .07½- .08
Anthraquinone, 99.5%, subl., bbls., lb. .65 - —
Antimony butter (see Antimony chloride)
Chloride, solut., cbys.....lb. .17 - —
Metal, spot.....lb. .13¾- —
Needle, powd., bbls.....lb. .14 - .16
Oxide, bbls., c.l.....lb. .12½- —
l.c.l. .....lb. .13 - —
Antimony, Salts, 65%, kgs.....lb. .26 - .27
White, pigment, bgs., c.l., Texas works, frt. alld to ½c..lb. .11½- .14¼
Antipyrene, bbls., kgs., ton lots, lb. 2.00 - —
smaller lots.....lb. 2.10 - 2.15
Apomorphine, bots.....oz. 23.20 -23.70
Archil extract, con., bbls.....lb. .21 - .27
double, bbls.....lb. .18 - .20
triple, bbls.....lb. .18 - .20
Areca nuts, powd., bbls.....lb. .11 - .12
Arecoline hydrobromide, bots..oz. 4.35 - 4.50
Argols, test 70% to 85%, basis 100%, 100 kgm., purity, 100 kilos. 32.00 -34.00
Arnica flowers, bls.....lb. .28 - .30
Root, bls.....lb. .45 - .46
Arrowroot, St. Vincent, powd., bgs..lb. .08¾- .08¾
bbls. .....lb. .08½- .09
Arsenic iodide (arsenous), 5 lb. bots..lb. 5.15 - —
jars .....lb. 5.00 - —
Metal, lump, cs.....lb. .40 - .41
Red, import, cs.....lb. .15¾- .16½
Trioxide (see Acid, arsenous).
White, powd., kgs., c.l.....lb. .03 - —
l.c.l. .....lb. .03¾- —
Arsenous chloride, cns.....lb. 4.85 - —
Asafetida, cs.....lb. .25 - .26
powd., bbls., bxs.....lb. .40 - .41
Asbestine (see Talc, N. Y. fibrous).
Asbestos fiber, 5M, bgs., c.l. (20 tons), Canad. mines..ton. 42.50 - —
5R, bgs., c.l. (20 tons), Canad. mines..ton. 40.00 - —
6D, bgs., c.l. (30 tons), Canad. mines..ton. 30.00 - —
7D, bgs., c.l. (30 tons), Canad. mines..ton. 25.00 - —
7F, bgs., c.l. (30 tons), Canad. mines..ton. 23.00 - —
7H, bgs., c.l. (30 tons), Canad. mines..ton. 19.00 - —
7K, bgs., c.l. (30 tons), Canad. mines..ton. 16.50 - —
7M, bgs., c.l. (30 tons), Canad. mines..ton. 14.00 - —
Asphaltum, Barbados, A, bgs., 20 tons, f.o.b. N. Y....lb. .02¼- —
smaller lots, f.o.b. N. Y.lb. .03¼- —
AA, bgs., 20 tons, f.o.b. N.Y., lb. .06¼- —
smaller lots, f.o.b. N. Y.lb. .10¼- —
California, dms., c.l., f.o.b. N.Y. ton. 29.00 - —
l.c.l., f.o.b. N. Y.....ton. 36.50 - —
Cuban A, bgs., c.l., f.o.b. N. Y. ton. 60.00 - —
l.c.l., f.o.b. N. Y.....ton. 90.00 - —
B, bgs., c.l., f.o.b. N. Y..ton. 35.00 - —
l.c.l., f.o.b. N. Y.....ton. 55.00 - —
Egyptian, bgs., c.l., f.o.b. N.Y.lb. .12 - —
l.c.l., f.o.b. N.Y.....lb. .15 - —
Gilsonite, brilliant black, bgs., c.l., Western shipt. points, ton. 32.90 - —
seconds, bgs., c.l., Western shipt. points .....ton. 25.50 - —
selects, bgs., c.l., Western shipt. points..ton. 30.50 - —
l.c.l., f.o.b., N. J. or N. Y., whse..ton. 49.50 - —
Jet., bgs., c.l., Western shipping points..ton. 30.50 - —
Maltha, dms., c.l.,f.o.b.N.Y.ton. 29.00 - —
l.c.l., f.o.b. N. Y.....ton. 36.50 - —
Manjak (see Asphaltum, Barbados)
Mexican, Texas, dms., c.l., refinery..ton. 19.00 - —
l.c.l., refinery.....ton. 21.00 - —
tanks, refinery.....ton. 16.00 - —
Petroleum, cut-back, bbls., l.c.l., E. cst., refinery..gal. .18 - —
dms., c.l., E. cst., refinery, gal. .12 - —
tanks, Calif, refinery...ton. 12.50 -14.00
East Coast, refinery...gal. .06 - .06½
Ill., Ind., refinery.....gal. .06¼- —
N. Orleans refinery....gal. .06 - —
Atropine, bots. .....oz. 5.25 - 5.80
Sulphate, bots. .....oz. 2.85 - 2.95
cns. .....oz. 2.80 - —

B

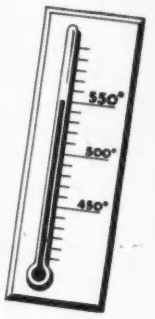
Balm of Gilead buds, bgs.....lb. .35 - .40
Barberry bark, bgs.....lb. .20 - .22
Tree bark, bls.....lb. .09 - .10
Barbital, cs.....lb. 3.25 - 3.30
Barium carbonate, natural, 90%, grd., bgs., c.l., works..ton. 44.00 - —
99%, 200 mesh, bgs., c.l., works..ton. 47.00 - —
precip., bgs., c.l., works.ton. 52.50 - —
bbls., works.....ton. 57.50 - —
l.c.l., bgs., works.....ton. 57.50 - —
bbls., works.....ton. 62.50 - —
sulphur-free, bgs., bbls., c.l., works..ton. 57.50 -62.50
Chlorate, kgs.....lb. .16½- .17½
Chloride, C.P., cryst., bbls..lb. .19 - —
dms. .....lb. .20 - —
tech., doms., cryst., bgs., c.l., Zone 1, dlvd., New England States, N. Y., N. J., Pa., Md., Va., Ohio, Mich., Ind., Wisc., Ill., Ky. and principal cities on west bank of Miss., north of Ark. line....ton. 77.00 - —
bbls., same basis..ton. 79.00 - —
l.c.l., bgs., same basis. ton. 90.00 - —
bbls., same basis..ton. 92.00 - —
Zone 2, bgs., c.l., dlvd., Tenn., N. - S. Carolina, Ga., Ala., Miss., Fla..ton. 81.00 - —
bbls., same basis..ton. 83.00 - —
l.c.l., bgs., same basis. ton. 94.00 - —
bbls., same basis..ton. 96.00 - —
Zone 3, bgs., c.l., dlvd., Minn., Ia., Mo., Col., N. Mex., Idaho, Utah, Ariz., ton. 87.00 - —
bbls., same basis..ton. 89.00 - —
l.c.l., bgs., same basis, ton. 100.00 - —
bbls., same basis..ton. 102.00 - —
Zone 4, bgs., c.l., dlvd., Wash., Ore., Calif., Nev..ton. 83.00 - —
bbls., same basis..ton. 85.00 - —
l.c.l., same basis....ton. 96.00 - —
bbls., same basis..ton. 98.00 - —

Barium, dioxide, dms.....lb. .11 - .15
Fluoride, bbls.....lb. .11½- .12
Fluosilicate, bbls.....lb. .11½- .12
Hydrate (see Hydroxide).
Hydroxide, bbls.....lb. .04¾- .05½
Iodide, bots. .....lb. 4.30 - 4.45
Monoxide (see Oxide).
Nitrate, cks. .....lb. .07 - .07½
Oxide, dms.....lb. .09 - .11
Peroxide (see Dioxide).
Sulphate, tech. (see Barytes and blanc fixe).
X-ray, bbls.....lb. .09½- .10
kgs. .....lb. .12 - —
Barytes, dom., floated, bbls., c.l., St, Louis..ton. 23.65 - —
l.c.l., ex whse., Boston, ton. 36.00 - —
Chicago .....ton. 31.15 - —
Cleveland .....ton. 33.50 - —
New York.....ton. 32.00 - —
paper bgs., c.l., St. Louis, ton. 22.95 - —
l.c.l., ex car, Baltimore, ton. 30.70 - —
Boston .....ton. 31.70 - —
Philadelphia .....ton. 30.50 - —
ex whse., Baltimore. ton. 32.10 - —
Boston .....ton. 35.20 - —
Chicago .....ton. 30.35 - —
Cleveland .....ton. 33.00 - —
Detroit .....ton. 33.00 - —
Kansas City.....ton. 30.93 - —
Los Angeles.....ton. 42.00 - —
New York.....ton. 31.50 - —
Philadelphia .....ton. 31.90 - —
San Francisco.....ton. 42.00 - —
Toronto .....ton. 39.30 - —
Southern off color, bulk, mines..ton. 12.00 - —
95,75%, bulk, mines.....ton. 16.00 - —
ore, bulk, mines, long ton. 7.00 - —
German, grd., bbls., c.l., dock, t.a...ton. 2[illegible].00 -26.00
l.c.l., ex whse.....ton. 39.00 - —
ungrd., bulk, c.l., ex dock, ton. 13.00 -14.00
Italian, grd., bbls., c.l., ex dock, t.a..ton. 29.50 Nom.
l.c.l., ex whse.....ton. 32.50 - —
Bauxite, bulk, mines.....ton. 7.00 -10.00
Bay leaves (see Laurel leaves)
Bay rum, import, bbls.....gal. .71½ Nom.
Bayberry bark, bgs.....lb. .12 - .15
Belladonna leaves, bls.....lb. .14 - .15
Root, bls. .....lb. .11 - .12
Bentonite, 200 mesh, bgs., Wyo. works..ton. 11.00 - —
325 mesh, bgs., Wyo. works, ton. 16.00 - —
Benzaldehyde, tech., cbys., dms., lb. .60 - .70
USP, X, dms., 50 to 100 lbs..lb. .85 - —
5 to 25 lbs.....lb. .90 - .95
Benzene (see benzol).
Benzidin base, bbls.....lb. .70 - —
Benzol, 90%, nitration, pure, dms., works..gal. .21 - —
tankcars, frt. alld. E. of Omaha..gal. .16 - —
Benzol tankcar prices, West, f.o.b. sellers' works.
Benzoyl chloride, dms.....lb. .40 - .47
Benzyl acetate, f.f.c., cns.....lb. .42 - —
dms. .....lb. .44 - —
Alcohol (see Alcohol, benzyl).
Benzoate, a.m.a., f.f.c., cns..lb. .94 - —
dms. .....lb. .89 - —
Chloride, 95-97%, refd., dms.lb. .30 - .40
tech., dms.....lb. .25 - .26
Formate, cns.....lb. 2.75 - 3.50
Benzylidineacetone, bots.....lb. 2.20 @ 3.50
Berberine bisulphate, cns.....lb. 16.75 - —
Hydrochloride, cns.....lb. 16.75 - —
Sulphate, cns.....lb. 16.75 - —
Berberis root, bls.....lb. .15 - .16
Betanaphthol, sublm., bbls.....lb. .55 - —
kgs. .....lb. .60 - —
tech., bbls., c.l., works....lb. .23 - —
l.c.l., bbls., works.....lb. .24 - —
Benzoate, fib, dms.....lb. 2.10 - —
kgs. .....lb. 2.00 - —
Betanaphthylamine, tech., kgs.lb. .51 - —
Beth root, bls.....lb. .20 - .22
Bismuth chloride, 5-lb. bots...lb. 3.20 - 3.25
Citrate, USP, VIII, 5-lb. bots., lb. 2.76 - —
jars .....lb. 2.65 - —
Hydroxide, 5-lb. bots.....lb. 3.27 - —
cns. .....lb. 3.15 - —
Metal, ton lots.....lb. 1.05 - —
Nitrate, cryst., 5-lb. bots...lb. 1.34 - —
cns. .....lb. 1.20 - —
Oxychloride, 5-lb. bots.....lb. 3.04 - —
cns., kgs.....lb. 2.95 - —
Subbenzoate, 5-lb. bots.....lb. 3.36 - —
fib, dms.....lb. 1.13 - 1.16
Subcarbonate, bots., cns.....lb. 1.22 - 1.43
fib. dms.....lb. 1.13 - 1.16
X-ray, 5-lb. bots.....lb. 2.42 - —
fib. dms.....lb. 2.36 - —
Subgallate, bots., cns.....lb. 1.42 - 1.68
fib. dms. .....lb. 1.33 - 1.36
Subiodide, cns.....lb. 3.91 - —
fib. dms.....lb. 3.88 - —
Subnitrate, powd., bots., cns., lb. 1.12 - 1.38
fib. dms.....lb. 1.03 - 1.04
Subsalicylate, 62-66%, bxs..lb. 2.44 - —
bbls., fib. dms.....lb. 2.35 - —
Sulphocarbolate, 5-lb. bots...lb. 3.61 - —
fib. dms.....lb. 3.50 - —
Trioxide, powd., 5-lb. bots...lb. 3.56 - —
cns. .....lb. 3.45 - —
Bismuth-ammonia citrate, USP, powd., 5-lb. bots..lb. 3.40 - —
cns. .....lb. 3.30 - —
Bismuth-betanaphthol, 5-lb. bots., lb. 3.14 - —
fib. dms.....lb. 3.05 - —
Black, acetylene, c.l., works, duty paid..lb. .14 - —
Bone, 1A, bbls., bgs., c.l., frt. alld. E..lb. .16 - —
l.c.l., frt. alld. E.....lb. .16½- —
1, bbls., bgs., c.l., frt. alld. E. lb. .12½- —
l.c.l., frt. alld, E.....lb. .13 - —
2, bbls., bgs., c.l., frt. alld E. lb. .10½- —
l.c.l., frt. alld, E .....lb. .11 - —
3, bbls., bgs., c.l., frt. alld. E..lb. .09- —
l.c.l., frt alld, E.....lb. .10 - —
4, bbls., c.l., frt. alld. E..lb. .08½- —
l.c.l., frt. alld, E.....lb. .09 - —
5, bbls., bgs., c.l., frt. alld. E..lb. .07½- —
l.c.l., frt. alld, E.....lb. .08 - —
6, bbls., bgs., c.l., frt. alld. E. lb. .06½- —
l.c.l., frt, alld. E.....lb. .07 - —
7, bbls., bgs., c.l., frt. alld. E..lb. .09 - —
l.c.l., frt. alld. E.....lb. .09½- —
Bone black prices on Pacific Coast are 1c. per lb. higher, ex dock or ex whse.
Carbon, special, 1, bgs., c.l., dlvd..lb. .03¾- .04¾
bgs., ctns., l.c.l., dlvd..lb. .06¾- —
cs., l.c.l., dlvd.....lb. .07½- —
2 bgs., c.l., works.....lb. .08½- —
l.c.l., dlvd.....lb. .10½- —
cs., l.c.l., dlvd.....lb. .12 - —
3, bgs., c.l., works.....lb. .13 - —
l.c.l., dlvd.....lb. .14½- —
cs,, l.c.l., dlvd.....lb. .16½- —

"550° F—and still not brittle!"



Gruelling *Heat-Test Shows NEW Tri-Sure CLOSURE-GASKET for Steel Barrels Resists Up To 550° F



Now comes a *new*, advanced gasket for TRI-SURE Flanges to meet the special requirements of high oven heat—offering a safety margin above and beyond that of the Standard Flange Gasket. This new, improved TRI-SURE Gasket is so stubbornly heat-resistant that even 550° F. of scorching heat for 20 minutes does not affect it. It meets all specifications. In addition, it is genuinely, positively leakproof!

The new TRI-SURE "550" Gasket for severe heat conditions, takes its place as an alternate alongside the TRI-SURE Standard Gasket, and meets the demands of modern drum manufacture. If it is necessary to subject your drums to higher-than-average baking temperature, be sure to specify the new, heatproof TRI-SURE "550" Flange Gasket when you place your next drum order. Now, more than ever, you're *sure* with TRI-SURE!

Confirmed by tests of Armour Institute of Technology

Tri-Sure
Triple Security
CLOSURES

AMERICAN FLANGE & MANUFACTURING CO., INC.

30 ROCKEFELLER PLAZA NEW YORK, N. Y.

Black, Carbon—Brown

Black, carbon, special, 4 bgs., c.l., works..lb. .27½- —
cs., c.l., works.....lb. .28 - —
l.c.l., dlvd.....lb. .32 - —
5, bgs., cs., c.l., works..lb. .40 - —
cs., l.c.l., dlvd.....lb. .44 - —
6, cs, l.c.l., dlvd.....lb. .60 - —
7, cs., l.c.l., dlvd.....lb. 1.10 - —
standard, bgs., c.l., dlvd., rail zone A (Gulf ports), for delivery in N. A. (water freights extra). lb. .02¾- —
B (Ark., Col., Kan., part of Mo., N. M., Tex., except coastal ports)..lb. .0310- —
80,000 lbs., dlvd., Zone C (Pac. Cst. States)..lb. .0319- —
80,000 lbs., dlvd., Zone C, Pac. Cst. States..lb. .0335- —
D (Ill., Ia., Wis.)..lb. .03¼- —
E (Fla., Ga., Ind., Ky., Mich., part of N. Y., Ohio, part of Pa., Tenn., W. Va.)...lb. .0341- —
F (Me., Md., Mass., N. H., N. J., part of N. Y., N. C., part of Pa., R. I., S. C., Vt., Va.)..lb. .03¾- —
G (Mexico) f.o.b. border, lb. .03 - —
f.o.b. N. Orleans, lb. .029 - —
l.c.l., f.o.b. whse.....lb. .05¾- —
bgs. or ctns. (sellers option) l.c.l., dlvd..lb. .06¼- —
bulk, tanks, same price as bags in each zone.
cs., l.c.l., dlvd.....lb. .07 - —

Black, carbon, export, full, compressed, cs., f.a.s., Gulf ports..lb. .04¾ Nom.
uncompressed, cs., f.a.s. Gulf ports..lb. .05¼ Nom.
Charcoal (see C).
Graphite (see G).
Iron oxide, magnetic, 1, bbls., l.c.l., works..lb. .07¾- .08½
2, bbls., l.c.l., works....lb. .07 - —
pure, bbls., works.....lb. .08¾- —
Ivory, genuine, bbls.....lb. .30 - .35
Lamp, dom., 1, ctns., c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
2, ctns., c.l., works.....lb. .09 - —
l.c.l., works.....lb. .10 - —
2A, ctns., c.l., works....lb. .11 - —
l.c.l., works.....lb. .12 - —
3, ctns., c.l., works.....lb. .13 - —
l.c.l., works.....lb. .14 - —
4, ctns., c.l., works.....lb. .14 - —
l.c.l., works.....lb. .15 - —
5, ctns., c.l., works.....lb. .17 - —
l.c.l., works.....lb. .18 - —
6, ctns., c.l., works.....lb. .24 - —
l.c.l., works.....lb. .25 - —
7, ctns., c.l., works.....lb. .34 - —
l.c.l., works.....lb. .35 - —
import, 1, bbls., c.l., f.o.b. N. Y..lb. .08 - —
l.c.l., f.o.b. N. Y.....lb. .09 - —
2, bbls., c.l., f.o.b. N. Y..lb. .11 - —
l.c.l., f.o.b. N. Y.....lb. .12 - —
3, bbls., c.l., f.o.b. N. Y..lb. .13 - —
l.c.l., f.o.b. N. Y.....lb. .14 - —
4, bbls., c.l., f.o.b. N. Y..lb. .14 - —
5, bbls., c.l., f.o.b. N. Y..lb. .19 - —
l.c.l., f.o.b. N. Y.....lb. .20 - —
6, bbls., c.l., f.o.b. N. Y..lb. .24 - —
l.c.l., f.o.b. N. Y.....lb. .25 - —
Vine, A, bbls., works or N. Y., lb. .04½- —
B, bbls., works or N. Y....lb. .05½- —
Black dyes are listed under dyes.

Black haw, root bark, bls....lb. .25 - .26
Tree bark bls.....lb. .15 - .16
Black Indian hemp root, bls...lb. .16 - .18
Blanc fixe, dry, by-product, bgs., c.l..ton.55.00 - —
l.c.l. .....ton.60.00 - —
high grade precip., bgs., c.l., works, frt. equal.ton.70.00 - —
l.c.l., same basis....ton.75.00 - —
pulp, 66⅔%, bulk, c.l., works. ton.40.00 -42.50
Bleaching powder, dms., c.l., works..100 lbs. 2.00 - 2.85
l.c.l., works.....100 lbs. 2.25 - 3.35
Blood, dried, dom., 16-16½ ammon., bgs., f.o.b. N. Y., unit-ton. 2.70 - —
high-grade, grd., 16-17 ammon., bulk, f.o.b. Chi., unit-ton. 2.80 - —
import, bgs., c.i.f. ports, May shipt., unit-ton. 3.00 Nom.
soluble (see Albumen, blood)
Bloodroot, bls.....lb. .14 - .16
Blue, alkali, toner, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis. lb. .90 - —
Alkali blue toner prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex., (Dallas Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Bronze, bbls., same basis, alkali toner, contracts..lb. .36 - —
open order .....lb. .37 - —
Celestial, bbls.....lb. .10 - .12

Blue, Chinese, bbls., same basis, alkali toner, contracts..lb. .36 - —
open order.....lb. .37 - —
Cobalt, genuine, 1-kilo pkg..lb. 4.90 - —
Imitation (see Blue, ultramarine, group 6).
Copper, phthalocyanin, bbls., f.o.b. works, frt. alld..lb. 3.50 - 3.75
Milori, bbls., same basis alkali toner, contracts..lb. .36 - —
open order.....lb. .37 - —
Potash, dom., bbls., same basis alkali toner, contracts.lb. .45 - —
open order.....lb. .46 - —
Prussian, bbls., same basis alkali toner, contracts.lb. .36 - —
open order.....lb. .37 - —
Soluble, bbls., same basis alkali toner, contracts. lb. .36 - —
open order.....lb. .37 - —
Tungstated, peacock, kegs...lb. 4.00 - —
Victoria, kgs.....lb. 3.85 - —
Ultramarine, dry, jobbing, bbls., works, frt. equaled.lb. .11 - —
regular 1, bbls., works, frt. equaled..lb. .16 - —
2, bbls., same basis....lb. .18 - —
3, bbls., same basis....lb. .19 - —
4, bbls., same basis....lb. .20 - —
5, bbls., same basis....lb. .23 - —
6, cobalt, A, same basis.lb. .27 - —
B, bbls., same basis.lb. .24 - —
C, bbls., same basis.lb. .23 - —
D, bbls., same basis.lb. .22 - —
7, A, bbls., same basis..lb. .23 - —
B, bbls., same basis..lb. .22 - —
special, 1, bbls., same basis, lb. .19 - —
2, bbls., same basis....lb. .20 - —
3, bbls., same basis....lb. .22 - —
4, bbls., same basis....lb. .23 - —
5, bbls., same basis....lb. .25 - —
6, bbls., same basis....lb. .27 - —
pulp, 1, bbls., same basis..lb. .27 - —
2, bbls., same basis.....lb. .25 - —
3, bbls., same basis.....lb. .23 - —
4, bbls., same basis.....lb. .20 - —
Ultramarine, blue, dlvd., ex whse., is 1c. higher; Pac. Coast ex whse., 2c. higher; 100-lb. kgs., 1c. above bbls.; 28-lb. boxes 5c. above bbls.
Victoria, ink toner, bbls., same basis alkali toner..lb. 1.85 - —
Blue dyes are listed under Dyes.
Blueflag root, bls.....lb. .15 - .16
Blue mass, USP., cns., kgs...lb. 1.00 - 1.02
Blue vitriol, 99%, cryst., bbls., c.l., f.o.b. works..100 lbs. 4.25 - —
16-50 bbls., same basis, 100 lbs. 4.40 - —
6-15 bbls., same basis, 100 lbs. 4.50 - —
1-5 bbls., same basis, 100 lbs. 4.75 - —
monohydrated, dms., c.l. dealer, f.o.b. works..100 lbs. 8.65 - 8.90
l.c.l., dealers...100 lbs. 9.65 - 9.90
Bluestone (see Blue vitriol).
Bone, raw, dom., 4½% ammon., 50% phos., bgs., f.o.b. Chicago..ton.26.00 -27.00
c.i.f. Atlantic ports....ton.28.50 - —
import, bgs., c.i.f., ports.ton.27.00 - —
meal, steamed, dom., 3% ammon. 50% phos., bgs., f.o.b. Chicago..ton.17.00 -19.00
import, 100-lb. bgs., c.i.f. ports, shipt..ton.21.00 - —
phosphate, precip. (see Calcium phosphate dibasic, precip.).
steamed, dom., 1¼% ammon. 60% phos., bgs., f.o.b. Chicago..ton.16.00 -18.00
import, 1% ammon., 65-70% phos., bgs., c.i.f. ports..ton.20.00 - —
Borage flowers, bls. .....lb. .20 - .21
Borax, tech., 99½%, cryst., bbls., contracts, 80 tons min., dlvd..ton.58.00 - —
l.c.l., ex whse.....ton.67.00 -72.00
sks., contracts, 80 tons min., dlvd..ton.48.00 - —
l.c.l., ex whse.....ton.57.00 -62.00
gran., bbls., contracts, 80 tons min., dlvd..ton.52.00 - —
l.c.l., ex whse.....ton.61.00 -66.00
sks., contracts, 80 tons min., dlvd..ton.42.00 - —
l.c.l., ex whse.....ton.51.00 -56.00
powd., bbls., contracts, 80 tons min., dlvd..ton.57.00 - —
l.c.l., ex whse.....ton.66.00 -71.00
sks., contracts, 80 tons min., dlvd..ton.47.00 - —
l.c.l., ex whse.....ton,56.00 -61.00
USP., $15 per ton higher.
Bordeaux mixture, dms., c.l., dealers..lb. .11 - —
l.c.l., dealers, dms..lb. .11½- —
Bordeaux mixture prices are works or whse. basis, frt. alld. to dest. in lots 98 lbs., and over; no trucking or freight allowances for works or warehouse pick-ups.
Borneol, bots. .....lb. 1.75 - 2.00
cns. .....lb. 1.50 - —
Brazilwood extract (see Hypernic),
Brimstone (see Sulphur).
Bromine, purif., cs., 1,000 lbs., frt. alld. E. of Rockies..lb. .30 - —
single pkg., same basis.lb. .35 - —
Bromoform, USP, bots.....lb. 1.40 - 1.60
Bromstyrol, bots.....lb. 3.25 - 4.50
Bronze powder, aluminum (see A).
Gold, litho, cns., dms., over 10 lbs..lb. .45 - .65
moulding, cns., dms., over 10 lbs..lb. .65 - .90
printing ink, cns., dms., over 10 lbs..lb. .70 - 1.10
radiator, cns., dms., over 10 lbs..lb. .45 - .50
Broomtop, bls.....lb. .11 - .12
Brown, iron oxide, pure precip., cks., f.o.b. N.Y., or works..lb. .10 - —
Metallic, bbls., works.....lb. .02½- —
paper bags, c.l., works....lb. .0210- —
Sienna, burnt, American, bbls., works..lb. .08 - —
Italian, 1, bbls., f.o.b. N. Y. or Pa. points..lb. .12¼- —
2, bbls., same basis....lb. .11¼- —
3, bbls., same basis....lb. .10¼- —
4, bbls., same basis....lb. .09¾- —
5, bbls., same basis....lb. .09¾- —
6, bbls., same basis....lb. .09¼- —
7, bbls., same basis....lb. .08 - —
8, bbls., same basis....lb. .07¾- —
9, bbls., same basis....lb. .07¼- —
10, bbls., same basis....lb. .06¾- —
11, bbls., same basis....lb. .06¾- —
12, bbls., same basis....lb. .06¼- —
13, bbls., same basis....lb. .06 - —
14, bbls., same basis....lb. .05½- —
raw, American, bbls., works, lb. .02¾- —
Italian, 1, bbls., f.o.b, N. Y. or works .....lb. .12¼- —
2, bbls., same basis....lb. .10¾- —
3, bbls., same basis....lb. .11 - —
4, bbls., same basis....lb. .09¼- —
5, bbls., same basis....lb. .09 - —
6, bbls., same basis....lb. .08¼- —
7, bbls., same basis....lb. .07¾- —
8, bbls., same basis....lb. .07¼- —
9, bbls., same basis....lb. .06¾- —
10, bbls., same basis....lb. .06 - —
11, bbls., same basis....lb. .05 - —
umber, American, bbls., works, lb. .02¾- —

Mapico pigments are pure iron oxides, free from any injurious compounds. Their chemical composition is standardized and controlled by constant accurate and exacting chemical analyses.

Technical inquiry is invited

MAPICO COLORS

Pure Oxides of Iron

YELLOWS • BROWNS • REDS • BLACK

MAGNETIC PIGMENT CO.

•

BINNEY & SMITH CO.

Distributors

41 East 42nd St. • New York, N. Y.

DIVISION OF COLUMBIAN CARBON COMPANY

Brown, umber, Turkey, bbls., l.l.l., f.o.b. Bethlehem, Pa., Easton, Pa., N.Y..lb. .04 - —
St. Louis.....lb. .04¾- —
ex car Los Angeles...lb. .04½- —
ex dock, Portland, San Francisco, Seattle..lb. .04¾- —
ex whse, Boston.....lb. .04½- —
Chicago, Indianapolis, New Orleans.....lb. .04¾- —
Kansas City.....lb. .05 - —
Los Angeles, Portland, San Francisco, Seattle, lb. .04¾- —
Minneapolis .....lb. .0485- —
Pittsburgh .....lb. .04¼- —
Vandyke, bbls., l.c.l.....lb. .05⅝- —
Walnut crystals, bbls.....lb. .05½- .06
Brucine, 100 oz., cns.....oz. .10 - —
Sulphate, 100 oz., cns.....oz. .07 - —
Bryonia root, bls.....lb. .10 - .11
Buchu leaves, bls.....lb. .43 - .44
Buckthorn bark, true, bls.....lb. .05 - .05½
Berries, bgs.....lb. .19 - .20
Burdock root, bls.....lb. .10 - .10½
Burgundy pitch, dom., bbls., c.l., works..lb. .05½- —
l.c.l., divd. E.....lb. .06¼- —
import, standa.....lb. .15 - .16
Butanes, coml., 16-34°, tanks, group 3..gal. .03¾- —
Butternut bark, bls.....lb. .07 - .08
Butyl acetate, norm., dms., c.l., contract, frt. alld..lb. .10 - —
l.c.l., contract, frt. alld.lb. .10½- —
tanks, contract, frt. alld..lb. .09 - —
Secondary, dms., c.l., frt. pd. E. of Rocky Mts..lb. .08 - —
l.c.l., same terms...lb. .08½- —
tanks, same terms.....lb. .07 - —
Alcohol (see Alcohol):—
Aldehyde, dms., l.c.l.....lb. .16¼- .17½
Carbinol (see Carbinol).
Crotonate, normal, 55 & 110 gal. dms., divd..lb. .33 - —
5 & 10 gal. dms., divd....lb. .36 - —
Lactate, dms.....lb. .22½- —
Propionate, dms., divd.....lb. .16½- .17
tanks .....lb. .15½- —
Stearate, dms.....lb. .26 - —
Butyric ether, bots.....gal. 6.60 - 6.95
cns., works.....lb. .65 - .70
dms., frt. alld. Met. N. Y..lb. .60 - —

C

Cadmium bromide, jars, 100 lbs., works, frt. equal'd..lb. 1.66 - —
50 lbs., works.....lb. 1.66 - —
25 lbs., works.....lb. 1.71 - —
bots., 5 lbs., works.....lb. 1.85 - —
Iodide, 5-lb. bots.....lb. 3.96 - —
25-lb. cns.....lb. 3.82 - —
Lithopone (see Yellow)
Metal, cs.....lb. 1.20 - —
Red (see Red).
Selenide (see Red).
Sulphide (see Yellow).
Caffeine, 100-lb. dms., 10,000 lbs. or more..lb. 2.20 - —
2,000 lbs., or more.....lb. 2.25 - —
1,000 lbs., or more.....lb. 2.30 - —
100 lbs.....lb. 2.35 - —
25-lb. dms., 10,000 lbs., or more..lb. 2.23 - —
2,000 lbs., or more.....lb. 2.28 - —
1,000 lbs., or more.....lb. 2.33 - —
100 lbs.....lb. 2.43 - —
25 lbs.....lb. 2.55 - —
10-lb. cns., 10,000 lbs., or more..lb. 2.25 - —
2,000 lbs., or more.....lb. 2.30 - —
1,000 lbs., or more.....lb. 2.35 - —
100 lbs.....lb. 2.45 - —
less than 100 lbs.....lb. 2.75 - —
6-lb. cns., 25 lbs., or more. lb. 2.70 - —
less than 25 lbs.....lb. 2.85 - —
Citrated, cns.....lb. 1.80 - 2.10
Hydrobromine, bots.....lb. 4.91 - 4.99
Calabar beans, bgs.....lb. .25 - .28
Calamus root, bleached, cs.....lb. .45 - .50
peeled, bls.....lb. .10 - .12
Calcium acetate, bgs., divd.100 lbs. 1.65 - —
Arsenate, bgs., c.l., dealers, E. of Rockies..lb. .06¾- .07¼
W. of Rockies, bgs., dms., lb. .06¾- .07
Calcium arsenate prices are works or whse. basis, frt. alld. to dest. In lots of 96 lbs. or over; no frt. or truck allowance for plant or whse. pick-up.
Bromide, 100 lbs., works, frt. equaled..lb. .70 - —
50 lbs., works.....lb. .72 - —
25 lbs., works.....lb. .75 - —
Carbonate (see Chalk and Whiting).
Chloride, flake, dom., 77-88%, bgs., dms., c.l., divd.ton.22.00 -35.00
l.c.l., 1 ton or over, divd. 100 lbs. 1.70 - 2.35
liquor, basis 40%, tanks, works. ton. 7.50 - —
solid, dom., 73-75%, bgs, dms., c.l., divd..ton.20.00 -33.00
l.c.l., 1 ton or over, divd. 100 lbs. 1.60 - 2.25
Gluconate, U.S.P., gran., powd., bbls., 125 lbs..lb. .50 - —
dms.....lb. .55 - .57
cns.....lb. .68 - .85
Glycerophosphate, fib., dms., 1,000-lb. lots..lb. 1.00 - —
smaller lots.....lb. 1.15 - —
cns., 25 lbs.....lb. 1.40 - —
Hypophosphite, cns.....lb. .62 - .67
Iodide, bots., jars.....lb. 3.70 - 3.85
Lactate, USP., bbls., 200 lbs.lb. .25 - —
Levulinate, bots., less than 25 lbs., works, divd..lb. 3.00 - —
Nitrate, bgs., to fert. mfrs., ex vessels, Camden, N. J., or f.o.b. cars, So. Atlantic ports. ton.28.00 - —
Palmitate, bbls.....lb. .22 - .23
Phosphate, dibasic, precip., fib- 42% P_2O_5, bgs., c.l.f. Atlantic ports, shipt., unit-ton. .78 - —
tribasic, c.l., bbls., works..lb. .06½- —
l.c.l., bbls.....lb. .07¼- —
Resinate, precip., bbls., 1 ton.lb. .13 - —
smaller lots.....lb. .14 - —
Stearate, precip., bbls., ctns., c.l...lb. .19 - —
l.c.l., 1 ton.....lb. .20 - —
Sulphate (see Gypsum).
Sulphide, 65-70%, CaS, wks., c.l...ton.64.00 - —
l.c.l. .....ton.68.00 - —
75% CaS (minus 100 mesh), c.l., works..ton.52.00 - —
l.c.l., works.....ton.56.00 - —
83-85 CaS, c.l., works...ton.58.00 - —
l.c.l., works.....ton.64.00 - —
luminous, dom., tins, works, 100 lbs..lb. .85 - —
Sulphocarbolate, bbls., 200 lbs.lb. .48 - —
kgs., 100 lbs.....lb. .50 - —
Calendula flowers, bls.....lb. .35 - .36
Calomel, bbls., fib., dms., kgs., 50 lbs., or more..lb. 1.18 - —
Camphor, natural, powd., cs...lb. .54 - .55
slabs, cs.....lb. .54 - .55
tablets, tins.....lb. .59 - .60
synthetic, dom., imp., gran., powd., bbls., 2,000 lbs.lb. .50 - —
500 lbs.....lb. .51 - —
100 lbs.....lb. .52 - —
Monobromate, bxs., kgs.....lb. 1.75 - 1.80
Canada balsam (see Fir balsam).

Canary seed, Argentine, bgs..lb. .0470- .0500
Morocco, bgs.....lb. .0470- .0500
Turkish, bgs.....lb. .0470- .0500
Canella alba bark, bls.....lb. .30 - .31
Cantharides, Chinese, cs.....lb. .60 - .70
powd., bxs.....lb. .70 - .80
Russian, cs.....lb. 1.05 - 1.10
powd., bxs.....lb. 1.20 - 1.25
Capsicum (see Pepper, red).
Caraway seed, Dutch, bgs....lb. .07½- .07½
Carbazole, 70-80%, dms., works.lb. .90 - —
90%, dms., works.....lb. .89 - —
95%, dms., ton lots, works..lb. .70 - —
smaller quantities, works.lb. .85 - —
98.5-99%, dms., ton lots, works, lb. .75 - —
smaller quantities, works.lb. .85 - —
Carbinol, butyl, norm., dms., works..lb. .60 - —
small lots, works.....lb. .75 - —
secondary, dms., works...lb. .60 - —
small lots, works.....lb. .75 - —
Diethyl, dms., works.....lb. .60 - —
small lots, works.....lb. .75 - —
Isobutyl, 128-132°, dms., c.l., works..lb. .36 - —
l.c.l., works.....lb. .34 - —
tanks, works.....lb. .32 - —
Methylpropyl, dms., works..lb. .60 - —
small lots, works.....lb. .75 - —
Dimethylethyl, dms., works.lb. .60 - —
small lots, works.....lb. .75 - —
Carbon bisulphide, 55-gal. dms., c.l., frt. all'd. E. of Miss. R., N. of Ohio R..lb. .05 - —
l.c.l., same basis.....lb. .05¾- —
5-gal. dms., c.l., same basis, lb. .07 - .07½
l.c.l., same basis.....lb. .08 - .08½
tanks, same basis.....lb. .04¼- —
Dioxide, cyls.....lb. .06 - .08
Tetrachloride, 55-gal. or 110-gal. dms., c.l. (20 tons), frt. alld. E. of Miss. R., N. of Ohio R..lb. .05¾- —
l.c.l., same basis.....lb. .05¾- —
10-gal. dms., c.l. (20 tons), same basis..lb. .07 - .07½
l.c.l., same basis.....lb. .08 - .08½
Carbon, tetrachloride, 5-gal. dms, c.l. (20 tons), same basis.lb. .07 - .07½
l.c.l., same basis.....lb. .08 - .09½
tank s. same basis.....lb. .05 - —
Fire extinguisher liquid 1½c. lb. higher.
Cardamom, bleached, cs.....lb. 1.38 - 1.70
decorticated, cs.....lb. .88 - .90
green, bgs.....lb. .60 - .64
Carvol, bots.....lb. 4.00 - 4.25
Cascara sagrada bark, bulk....lb. .09¾- .10
Case-hardening mixture, 30%, lump, dms., l.c.l..lb. .09 - —
Casein, dom., 20-30 mesh, bxs., c.l., divd..lb. .06½- .07
5 tons, works.....lb. .08¾- —
smaller lots, works.....lb. .09½- —
80-100 mesh, bgs., c.l., divd., lb. .07 - .07½
5 tons, works.....lb. .09 - —
smaller lots, works.....lb. .09¾- —
Import, Argent., 20-30 mesh, bgs., c.l., duty pd..lb. .12½ Nom.
80-100 mesh bgs., c.l., duty paid..lb. .13 Nom.
French, 30 mesh, bxs., c.l., duty pd..lb. .17 Nom.
Cassia, Batavia, 1, bgs.....lb. .16¼- .16½
3, bls.....lb. .10½- .10¾
shortstick, bls.....lb. .12¾- .13
China, rolls, select, cs.....lb. .06¾- .07
broken, extra, bls.....lb. .04½- .04¾
Saigon, bls.....lb. .15½- .15½
Cassia buds, cs.....lb. .18¾- .16½
Cassia fistula, bakts.....lb. .07 - .09
Castile soap, white, bars., cs., 40 lbs.11.75 -12.50
powd., bbls.....lb. .28 - .35
Castoreum, nat., cns.....lb.15.00 -18.00
synth., bots.....lb.19.00 - —
Castor oil (see Oil, castor).
Pomace, dom., 5% ammon., bgs., c.l., works..ton.20.00 - —
import, bgs., c.l.f., ports, shipment..ton.21.00
Catnep leaves, bls.....lb. .17 - .18
Celery seed, French, bgs.....lb. .14¼- .14¾
Indian, bgs.....lb. .12⅝- .13
Celluloid scrap (see Pyroxylin scrap).

Brown—Chestnut Extr.

Cellulose acetate, flake, gran., cs., frt. alld..lb. .40 - —
Cellulose, acetobutyrate, 501 lbs. and over, works..lb. .52 - —
101 lbs., works.....lb. .53 - —
smaller lots, works.....lb. .55 - —
Cellulose acetopropionate, 500 lbs. and over, works..lb. .57 - —
100-499 lbs., works.....lb. .58 - —
1-99 lbs., works.....lb. .60 - —
Cerium hydrate, dms., works..lb. .60 - —
Oxalate, USP, bbls., works..lb. .35 - —
kgs., works.....lb. .37 - —
Chalk, precip., extra light, light, heavy, bgs., 50 lbs., c.l., f.o.b., works..lb. .02¾- —
cks., 250 lbs., c.l., f.o.b., works..lb. .03¼- —
Chamomile flowers, Hungarian, genuine, cs..lb. .20 - .21
Roman, bls.....lb. .27 - .28
Charcoal, softwood, powd., bgs., c.l., divd. Ala., Del., Ga., Ky., Md., Miss., N. J., N. Y., N. C., S. C., Tenn., Va., W. Va..ton.30.40 - —
Colo .....ton.27.00 - —
Conn., Me., Mass., N.H., R. I., Vt.....ton.30.80 - —
Ill. (except river point), Minn., Neb., Wis., ton.25.00 - —
Indiana .....ton.26.00 - —
Ill. (river points), Ia., Mo., Okla., Tex. (except El Paso)..ton.23.00 - —
Kansas, El Paso, Tex. ton.24.00 - —
Michigan .....ton.27.80 - —
Ohio, Penn.....ton.29.80 - —
Utah .....ton.34.00 - —
Willow, powd., bbls.....lb .06 - .07
Chestnut extract, clarif., 25% tan., bbls., c.l., works.lb. .02125- —
l.c.l., bbls., works.....lb. .0225- —

CONTENTMENT
is great for a man . . .
BUT BAD FOR A BUSINESS

Some Leading Products of Pennsylvania Salt Manufacturing Company

KRYOLITH
(Natural Greenland Cryolite)
CHLORINE
SODIUM ORTHOSILICATE
CARBON TETRACHLORIDE
CARBON BISULPHIDE
CAUSTIC SODA
•

It is an old saying that businesses do not stand still — they either go forward or slip back. We believe that a business too well satisfied with itself is one that has started to stagnate.

That is why we are pleased rather than alarmed that Pennsylvania Salt Manufacturing Company is never self-satisfied. We are not today wholly contented with the quality and purity of any one of the many chemical products we manufacture. Nor were we contented a month ago—or a year ago—nor shall we be a year hence.

Basically, that is why the chemicals we supply to you now are better chemicals than those we produced at any time in the past — purer, more uniform, more highly dependable, and more perfectly adapted for the industrial processes in which they are used.

The services of our technical staff are always available to help with your difficult problems.

PENNSYLVANIA SALT MANUFACTURING COMPANY · Est. 1850
Widener Bldg., Philadelphia, Pa.
New York · Chicago · St. Louis · Pittsburgh · Tacoma · Wyandotte

PENNSYLVANIA SALT Chemicals

Chillies—Dextrin

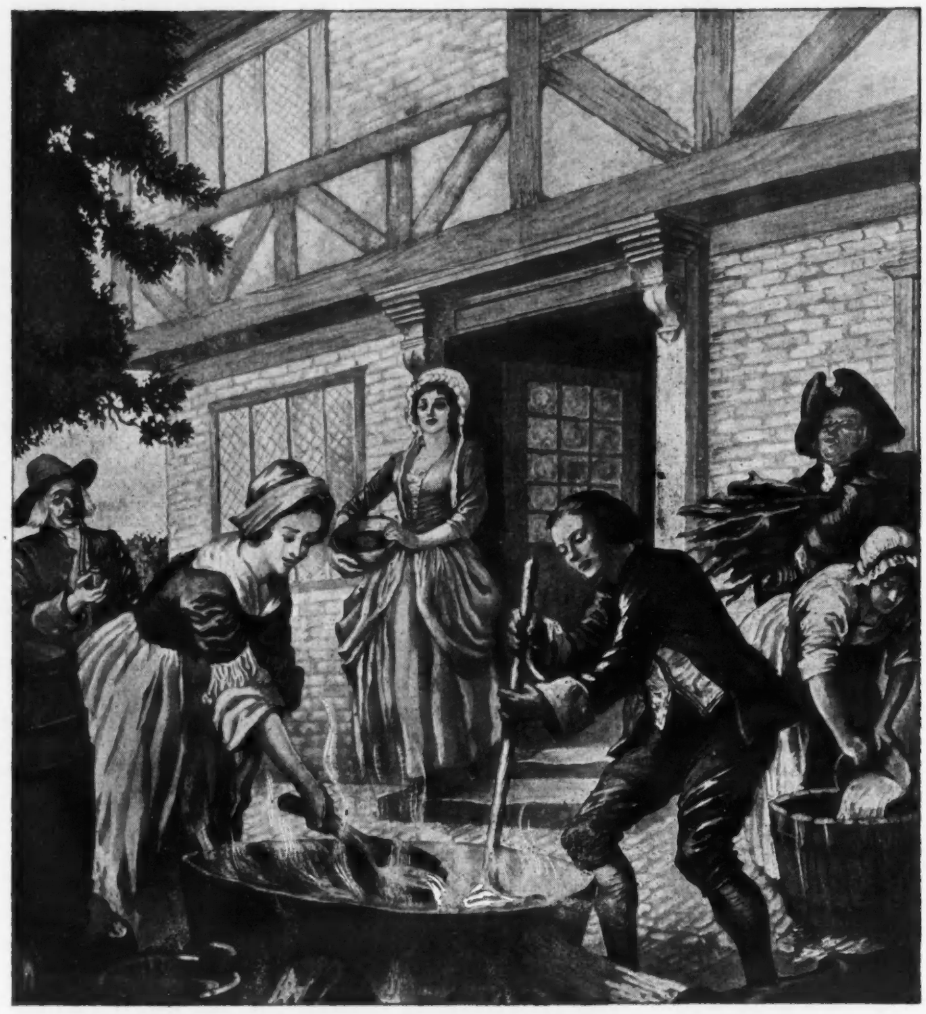
Chillies (see Pepper, red).
China clay, dom., dry-grd., air-float, 99.75%, 500 mesh, bgs., c.l., works..ton. 9.50 - —
l.c.l., works.....ton. 10.00 -16.00
bulk, c.l., works....ton. 7.00 - —
200 mesh, brs., c.l., works...ton. 8.50 - —
l.c.l., works.....ton. 9.50 -15.50
wet-grd., silk-bolt, 99.9%, 325 mesh, bulk, c.l., works. ton. 9.50 - —
paper bgs., c.l., works. ton. 12.50 - —
import, white, lump, bulk, c.l., ex dock Balto, Boston, Norfolk, Phila..ton. 22.00 -25.00
powd., csks., l.c.l., ex dock. ton. 35.00 - —
ex whse.....ton. 37.50 - —
Chloral hydrate, bots., 1,000 lbs. lb. .85 - .92
500 lbs.....lb. .90 - .95
100 lbs.....lb. .88 - .97
25 lbs.....lb. .90 - .99
1-10 lbs.....lb. .95 - 1.02
dms., 1,000 lbs.....lb. .80 - —
500 lbs.....lb. .83 - —
100 lbs.....lb. .85 - —
Chlorine, liq., cyls., c.l., dlvd., N. Y..lb. .05½- —
contracts, dlvd., N.Y....lb. .05½- —
l.c.l., dlvd., N.Y.....lb. .07½- —
tanks, single unit, works, frt. equald..100 lbs. 2.15 - —
multiple unit, 3 or over, wks., frt. equald..100 lbs. 2.30 - —
tanks, multiple unit, 2, works, frt. equald..100 lbs. 2.55 - —
1, works, frt. equald. 100 lbs. 3.00 - —
Chloroacetophenone, tins, works.lb. 3.00 - 3.50
Chloroform, tech., 650-lb. dms..lb. .20 - —
100-lb. dms.....lb. .22 - —
50-lb. dms.....lb. .25 - —
USP, 650-lb. dms.....lb. .30 - —
100-lb. dms.....lb. .32 - —
50-lb. dms.....lb. .33 - —
Chloropicrin, coml, 100 lb. cyls., wks..lb. .85 - —
5-lb. cyls., same basis....lb. 1.15 - —
Chrome acetate, powd., 17.5% cr., bbls., works..lb. .13 - —
smaller pkgs., works....lb. .17 - —
solut., 8% cr., bbls.....lb. .05 - .08
Cake, bulk, c.l., works.....ton. 15.00 -16.00
Green (see Green, chrome).
Oxide (see Green, chrome oxide).
Sulphate, pearls, dms., 100 lbs., lb. .40 - —
powd., dms., 100 lbs.....lb. .45 - —
scales, dms., 100 lbs.....lb. .45 - —
Trioxide (see Acid, chromic).
Yellow (see Yellow, chrome).
Chrysarobin, cns.....lb. 3.25 - 3.50
Cinchona bark, chips, bgs.....lb. .18 - .19
high test, bgs.....lb. .37 - .38
quills, broken, bgs.....lb. .18 - .19
long, cs.....lb. .55 - .60
short, bgs.....lb. .50 - .55
Ecuador, tubes.....lb. .18 - .20
Cinchonidine, crys., small cns., 100 ozs..oz. .83 - —
large, cns.....100 ozs..oz. .87 - —
powd., cns.....100 ozs..oz. .80 - —
Sulphate, N.F., cns..100 ozs..oz. .47 - —
Cinchonine, crys., small, cns., 100 ozs..oz. .54 - —
large, cns.....100 ozs..oz. .58 - —
powd., cns.....100 ozs..oz. .50 - —
Sulphate, N.F., cns..100 ozs...oz. .34 - —
Cinchophen, USP, boxes, 5 lbs., lb. 2.75 - —
bots., 1 lb.....lb. 3.27 - —
dms., 100 lbs.....lb. 2.00 - —
Cinnamic alcohol (see Alcohol cinnamic).
Aldehyde, f.f.c. cbys.....lb. 1.35 - 1.40
Cinnamon, Ceylon, 2, bls.....lb. .16¾- .17
3, bls.....lb. .16½- .16¾
Citral, bots., cns.....lb. 1.40 - 3.10
Citrine, ointment, jars, tubes..lb. .75 - —
Citronellal, bots., dms.....lb. .75 - .80
Citronellol, bots., dms.....lb. 1.75 - 1.80
Clove, Madagascar, bls.....lb. .13½- .14
Zanzibar, bls.....lb. .16½- .16¾
Clover tops, bgs.....lb. .13 - .14
Coaltar, coal-gas., crude, bbls., c.l., works..bbl. 7.50 - 7.75
l.c.l., works.....bbl. 8.25 - 8.50
tanks, works.....gal. .07½- .09
refd., bbls., c.l., works....bbl. 8.00 - 8.25
l.c.l., works.....bbl. 8.75 - 9.00
tanks, works.....gal. .08½- .10
water-gas, crude, dms., c.l., works..dm. 7.50 - —
l.c.l., works.....dm. 8.00 - —
refd., dms., c.l., works....dm. 8.25 - —
l.c.l., works.....dm. 8.75 - —
Cobalt acetate, bbls., kgs., dlvd. lb. .65 - .67
Carbonate, tech., bbls., dlvd..lb. 1.63 - —
Chloride, dms., works.....lb. 1.03 - 1.18
Hydrate, bbls.....lb. 1.78 - —
Linoleate, paste, 6%, dms....lb. .81 - —
solid, 8½%, bbls.....lb. .33 - —
Oleate, bbls.....lb. .25 Nom.
Oxide, black, kgs.....lb. 1.67 - —
Resinate, fused, A, bbls....lb. .13½- —
1%, bbls.....lb. .13 - —
2%, bbls.....lb. .14 - —
3½, bbls.....lb. .17¼- —
precip., dms., dlvd.....lb. .84 - —
Sulphate, dms.....lb. .59 - —
Cocaine hydrochloride, 100 ozs., cns..oz. 9.75 - —
Cochineal, gray, bgs.....lb. .35 - .38
Teneriffe, silver, bgs.....lb. .36 - .39
Cocillana bark, bgs.....lb. .16 - .17
Cocoa butter, lump, bgs., c.l..lb. .12 - —
Codeine, cns., 100 ozs.....oz. 11.70 - —
Hydrochloride, cns., 100 ozs..oz. 10.50 - —
Phosphate, cns., 100 ozs.....oz. 9.00 - —
Sulphate, cns., 100 ozs.....oz. 9.50 - —
Codliver oil (see Oil, codliver).
Cohosh, black, root, bls.....lb. .06 - .09
Blue, root, bls.....lb. .07 - .07½
Colchicine, bots., 4 ozs.....oz. 25.00 - —
single ozs.....oz. 26.00 - —
Colchicum seed, bgs.....lb. .25 - .27
Collodion, USP, dms., 325 lbs..lb. .12½- —
cns., 25 lbs.....lb. .16 - —
Flexible, USP, dms., 325 lbs.lb. .14½- —
cns., 25 lbs.....lb. .18 - —
Colocynth pulp, bls.....lb. .28 - .32
Colombo root, bls.....lb. .11 - .12
Coltsfoot leaves, bgs.....lb. .08 - .09
Condurango bark, bgs.....lb. .08 - .09
Conium leaves, bls.....lb. .17 - .18
Copaiba balsam, Para, cns.....lb. .24 - .25
S.A., USP, cns.....lb. .26 - .27
Copper acetate, normal, bbls., dlvd..lb. .23 - —
smaller containers, dlvd..lb. .25 - —
Carbonate, 52-54%, bbls.....lb. .14½- .15½
50%, bbls.....lb. .10½- .11½
Chloride, cryst., bbls.....lb. .13 - .14
Cyanide, tech., bbls.....lb. .34 - —
Iodide, bots.....lb. 4.97 - 5.03
Metal, electrolytic.....lb. .10 - —
Nitrate, crvst., bbls.....lb. .15 - .17
Oleate, precip., bbls.....lb. .20 - —
Oxide, black, bbls., tons, works, lb. .14½- .15
smaller lots, works.....lb. .15½- —
red, com'l, 50-75%, kgs, f.o.b. N.Y..lb. .16 - —
Resinate, precip., bbls.....lb. .15 - .16
Stearate, precip., bbls.....lb. .23 - .24
Sulphate (see Blue vitriol).
Copperas, cryst., gran., bgs., c.l., works..ton. 16.00 - —
bbls., c.l., works.....ton. 18.00 - —
l.c.l., 25 or over, works.... 100 lbs. 1.35 - —
5-24, works.....100 lbs. 1.50 - —
1-4, works.....100 lbs. 2.00 - —
bulk, c.l., works.....ton. 13.00 - —
Copra, Coast, ship.....lb. .0190 Nom.
Coriander seed, Morocco, bgs..lb. .05 - .05½
bleached, bgs.....lb. .08 - .08½
Corn sugar, tanners, bbls., c.l., dlvd..100 lbs. 3.15 - —
ex whse.....100 lbs. 3.25 - —
Syrup, 42°, bbls., c.l....100 lbs. 3.09 - —
43°, bbls., c.l.....100 lbs. 3.14 - —
Cornsilk, bls.....lb. .06 - .07
Corrosive sublimate, cryst., dms., 50 lbs. or more..lb. 1.05 - —
gran., powd., dms., 50 lbs. or more..lb. .91 - —
Cottonroot bark, bls.....lb. .13 - .14
Cottonseed hull ash, 30-32% pot-ash, bgs., dlvd..unit-ton. 1.10 - —
Coumarin, 5 lbs., or more, 25-lb. cns..lb. 3.00 - —
5-lb. cns.....lb. 3.10 - —
1-lb. cns.....lb. 3.25 - —
1-oz. cns.....lb. 3.60 - —
less than 5 lbs., cns.....lb. 4.15 - 4.65
Cramp bark, genuine, bls.....lb. .23 - .24
so-called, bls.....lb. .07 - .08
Cranesbill root, bls.....lb. .15 - .16
Cream tartar, gran. or powd., bbls., 5,000 lbs., one shipm't, lb. .20¾- —
smaller lots, bbls.....lb. .21¼- —
kgs.....lb. .21¾- —
Creosote, beechwood, bots.....lb. .70 - .75
Hardwood, USP, bots.....lb. .45 - .47
Pine, dms.....gal. .28 - —
Carbonate, bots., cbys.....lb. 1.40 - 1.75
Creosote oil, crude, tanks, works, gal. .13½- .14½
Coaltar solution, tanks, works, gal. .122 - .133
refd., bbls., c.l., works...gal. .22½- —
l.c.l., works.....gal. .25 - —
tanks, works.....gal. .18 - .18½
Cresol, USP, dms., c.l., works..lb. .12 - —
l.c.l., same basis.....lb. .12½- —
special resin grade, dms., c.l., works..lb. .10¼- —
l.c.l., same basis.....lb. .10¾- —
Crotonaldehyde, 97%, 55 and 110 gal. dms., dlvd..lb. .22 - —
5 and 10 gal. dms., dlvd..lb. .25 - —
works..lb. .26 - —
l.c.l., works.....lb. .30 - —
Cube root, powd., 6% rotenone, bbls., f.o.b. N.Y.C., frt. equaled, with shipments from Newark and Balto. Prices for Pacific Coast are plus frt., 10,000 lbs. or more..lb. .28 - —
2,000 lbs. to 10,000 lbs..lb. .29 - —
1,000 lbs. to 2,000 lbs..lb. .31 - —
200 lbs. to 1,000 lbs.....lb. .33 - —
4% rotenone prices are 4¼c. per lb. less.
Cube root, powd., contracts accepted for delivery only up to September 30, 1938. No protection against decline in price. Part deliveries against contract are billed at price for smaller quantities, subject to adjustment when contract quantity is reached.
Cubeb berries, XX, bgs.....lb. .32 - .33
powd., cs.....lb. .34 - .35
Culver's root, bls.....lb. .17 - .18
Cumin seed, Algerian, bgs....lb. .08½- .09
Indian, bgs.....lb. .10 Nom.
Morocco, bgs.....lb. .10 Nom.
Cutch, Philippine, bls., c.l....lb. .05¼- .06
Extract, solid, bgs.....lb. .06½- .08½
Cyanamide, 21-22% N., pulv., bgs., dlvd., contrs., NH_3 unit.. 1.15 - —
Cyanide-chloride, mixture, 45%, gran., dms..lb. .10¾- —
lump, dms.....lb. .09¾- —
75%, gran., dms.....lb. .15 - —
lump, dms..lb. .13 - —

D

Damiana leaves, bls.....lb. .15 - .16
Dandelion root, German, bls..lb. .15 - .16
Deertongue leaves, bls.....lb. .09 - .09½
Degras, common, dom., bbls...lb. .07¾- .08¼
English, bbls.....lb. .07¾- .08¼
neutral, dom., bbls.....lb. .11 - .15
English, bbls.....lb. .11 - .15
Derris root, powd., 5% rotenone, bbls., f.o.b. N.Y.C., frt. equal'd., with shipments from Newark and Balto. Prices for Pacific Coast are plus frt., 10,000 lbs., or more..lb. .39 - —
2,000 lbs., to 10,000 lbs..lb. .40 - —
1,000 lbs., to 2,000 lbs..lb. .41½- —
200 lbs., to 1,000 lbs..lb. .43 - —
4% rotenone prices are 6c. per lb. less
Derris root, powd., contracts accepted for delivery only up to September 30, 1938. No protection against decline in price. Part deliveries against contract are billed at price for such smaller quantities, subject to adjustment when contract quantity is reached.
Dextrin, British gum, c.l. f.o.b. Chicago..100 lbs. 3.75 - —
l.c.l., f.o.b. Chicago..100 lbs. 3.95 - —
Corn, canary, bgs., c.l., f.o.b. Chicago..100 lbs. 3.50 - —
l.c.l., f.o.b. Chicago..100 lbs. 3.70 - —
white, bgs., c.l., f.o.b. Chicago..100 lbs. 3.45 - —
l.c.l., f.o.b. Chicago..100 lbs. 3.65 - —
Potato, import, bgs.....lb. .07½- .08¾

Through the Centuries with Alkalies

In the American Colonies soap-making was at first largely a household art. The housewife saved the wood-ashes (soda) from the great fireplaces and the grease from the kitchen. By pouring water over the ashes lye was made. The lye and grease were then boiled together until the compound was strong enough to hold up an egg. This strong soft soap was kept in a wooden soap box in the kitchen where it was available alike for Saturday night baths and the family laundry. Later on caustic soda was bought at the grocer's and mixed with hot fat and grease for the home-made soap.



Such resourcefulness and thrift as the Colonial housewife practiced is of vital importance to American business today. In the face of mounting costs and heavy taxation, executives are checking sources of supply with great care and buyers of raw materials are testing quality as never before. As a supplier of Soda Ash, Caustic Soda, Bicarbonate of Soda, Modified Sodas, Calcium Chloride and Liquid Chlorine, serving many major industries, The COLUMBIA ALKALI CORPORATION welcomes this challenge and this responsibility. Its officers and staff pledge themselves anew to deliver the utmost in product, value and service.

SODA ASH
CAUSTIC SODA
SODIUM BICARBONATE
MODIFIED SODAS
LIQUID CHLORINE
CALCIUM CHLORIDE

COLUMBIA

THE COLUMBIA ALKALI CORPORATION
BARBERTON • OHIO
NEW YORK CHICAGO BOSTON PITTSBURGH
CLEVELAND CINCINNATI ST. LOUIS MINNEAPOLIS

Diamyl ether, dms., c.l., works, lb. .085 - —
l.c.l., works lb. .092 - —
tanks, works lb. .075 - —
Oxalate, dms., l.c.l., works lb. .30 - —
Phthalate, dms., c.l., dlvd lb. .20½- —
l.c.l., dlvd lb. .21 - —
tanks, dlvd lb. .19½- —
Sulphide, dms., l.c.l., works lb. 1.10 - —
Diamylamine, dms., c.l., works, lb. .47 - —
l.c.l., works lb. .50 - —
Diamylene, dms., c.l., works lb. .095 - —
ports, May shipt ton 44.50 -45.00
l.c.l., works lb. .102 - —
tanks, works lb. .085 - —
Diatomaceous earth, dom., bgs., c.l., Pacific cst., works, ton 22.00 -85.00
l.c.l., ex whse ton 45.00 -150.00
import, bgs., c.l., c.i.f. ton 30.00 - —
Dibutylamine, dms., l.c.l., works, lb. .55 - —
Dibutyl phthalate, dms., l.c.l. lb. .21 - —
Tartrate, dom., dms lb. .45 - .54
Dicalcium phosphate (see Calcium phosphate, dibasic).
Dichlorethyl ether, dms., c.l., works lb. .15 - —
l.c.l., works lb. .16 - —
tanks, works lb. .14 - —
Diethanolamine, dms., c.l., works lb. .24 - —
l.c.l., works lb. .26 - —
tanks, works lb. .23 - —
Diethyl carbonate, coml., dms. lb. .31½- —
refd., 99%, dms lb. .50 - —
Carbinol (see Carbinol).
Phthalate, dms., c.l. lb. .19 - —
l.c.l. lb. .19½- —
tanks lb. .18 - —
Sulphate, dms., c.l., works lb. .13 - —
l.c.l., works lb. .14 - —
tanks lb. .12 - —
Diethylaniln, dms lb. .40 - .56
Diethyleneglycol, dms., c.l., works, lb. .16 - —
l.c.l., works lb. .17 - —
Monobutylether, dms., works lb. .28 - .34
Diethylene glycol monoethylether, dms., c.l., works lb. .15 - —
l.c.l., works lb. .16 - —
tanks, works lb. .14 - —
Diethylene oxide, dms., c.l., frt. alld lb. .20 - —
l.c.l., same basis lb. .21 - —
tanks, works lb. .19 - —
Digitalis, leaves, dms lb. .42 - .48
Diglycol laurate lb. .23 - —
Diglycol oleate, light, bbls lb. .20 - —
Diglycol stearate lb. .25 - —
Di-isobutyl ketone, dms., works, lb. .19 - —
Dillseed, recleaned, bgs lb. .07½- .07¾
Dimethyl phthalate, dms., l.c.l. lb. .19 - —
Dimethylaniln, dms lb. .26 - .27
Dimethylethyl carbinol (see Carbinol).
Dinitrobenzene, bbls lb. .16 - .18
Dinitrochlorobenzene, bbls lb. .14 -
Dinitronaphthalene, kgs lb. .35 - .38
Dinitrophenol, bbls lb. .23 - .24
Dinitrotoluene, dms lb. .15½- —
oily, dms lb. .09 - —
Diorthotoluolguanidin, dms, 2,000 lbs. or over, dlvd. lb. .44 - —
600-1,950 lbs., dlvd lb. .46 - —
150-450 lbs., dlvd lb. .47 - —
Dip oil (see Tar acid oil).
Dipentene, dms gal. .47 - .50
tanks gal. .41 - —
Diphenyl, bbls., c.l., works lb. .15 - —
l.c.l., works lb. .20 - .25
Oxide, perfume grade, cns lb. .50 - .55
Diphenylamine, bbls lb. .31 Nom.
Diphenylguanidin, dms., 2,000 lbs. or over, dlvd. lb. .35 - —
600-1,950 lbs., dlvd lb. .36 - —
150-450 lbs., dlvd lb. .37 - —
Diphenylmethane, bots lb. 1.40 - 2.00
Disodium phosphate (see Soda phosphate, dibasic)
Divi-divi extract, bbls lb. .05¾- .06¾
Doggrass root, cut, bls lb. .11 - .12
Dogwood bark, dom., bls lb. .07 - .08
Jamaica, bls lb. .07 - .08
Dover's powder, USP, cns lb. 2.75 - 2.80
Dragon's blood, mass, cs lb. .65 - .85
reeds, thin, cs lb. .80 - .85
Duboisine sulphate, vls oz. 34.50 -35.00
Dyes, coaltar, for general uses (numbers are those of Colour Index scale):—
36 Chrome yellow 2G lb. .65 - .70
40 Chrome yellow R lb. .50 - 1.00
53 Victoria violet lb. .80 - 1.00
165 Lake red C lb. 1.00 - —
176 Fast red A lb. .60 - .75
180 Fast red VR lb. 1.50 - 1.65
189 Lake red R, paste lb. .85 - .90
189 Lake red R, powdered lb. 3.00 - 3.10
202 Chrome blue black U lb. .32 - .40
204 Chrome black A lb. 1.75 - 2.00
208 Fast red blue R lb. .75 - 2.00
216 Chrome red B lb. 1.75 - 2.00
262 Cloth red 2B lb. .60 - .80
289 Fast cyanin 5R lb. .90 - 1.00
299 Chrome black F lb. .60 - .65
307 Fast cyanin black B lb. .80 - .85
326 Direct cast scarlet lb. 2.00 - 2.25
304 Paper yellow lb. .83 - .90
365 Chrysophenin G lb. .58 - .70
394 Direct violet N lb. 1.25 - 1.30
382 Direct scarlet B lb. 1.50 - 1.75
387 Direct violet B lb. 1.00 - 1.30
401 Developed black BHN lb. .50 - .75
406 Direct blue 2B lb. .25 - .30
415 Direct orange R lb. .60 - .70
419 Direct fast red F lb. .75 - .85
420 Direct brown M lb. 1.00 - 1.10
448 Benzo purpurin 4B lb. .40 - .42½
495 Benzo purpurin 10B lb. .40 - .50
502 Direct azurin G lb. .75 - .80
512 Direct blue RD lb. .80 - 1.00
518 Direct pure blue 6B lb. 1.10 - 1.25
520 Direct pure blue lb. .50 - 1.00
529 Direct fast black FF lb. .55 - 1.00
581 Direct black EW lb. .25 - .50
582 Direct black RX lb. .35 - .45
593 Direct green B lb. .75 - .80
594 Direct green G lb. 1.00 - 1.05
596 Direct brown 3GO lb. .35 - 1.00
620 Direct yellow R lb. 1.25 - 1.50
698 Acid violet lb. 1.00 - 3.00
812 Primulin lb. .50 - .52
814 Direct fast yellow lb. 2.00 - 2.25
845 Nigrosin(water soluble) lb. .35 - .50
1177 Indigo, 20 p. c., paste lb. .15 - .18
Benzo fast black L lb. .90 - 1.00
Sulphur black lb. .20 - .25
Sulphur blue lb. .40 - 1.00
Sulphur brown lb. .25 - .50
Sulphur maroon lb. .40 - —
Sulphur olive lb. .25 - .54
Sulphur tan lb. .30 - .50
Sulphur yellow lb. .30 - .50
Zambesi black lb. .75 - .80
Dyes, coaltar, for stains (numbers are those of Colour Index scale):—
Oil-soluble (prices in barrels of 100 lbs.; lots of 25 pounds to a barrel are 3c. per lb. higher; f.o.b. sellers' works or warehouse)
Black:—
865 Nigrosin derivatives lb. .42 - —
Blue:—
1075 Alizarin astrol base lb. 15.00 - —
1078 Alizarin cyanin green base lb. 6.00 - —
729 Victoria blue lb. .75 - —
Browns:—
Brown lb. 1.15 - —
Green:—
1078 Alizarin cyanin green lb. 5.00 - —
.... Green lb. .75 - —
Orange:—
24 Sudan I lb. .70 - —
.... Orange, red shade lb. .75 - —

Dyes, coaltar, for stains (numbers are those of Colour Index scale):—
Red:—
73 Sudan II lb. 1.05 - —
258 Sudan IV lb. .95 - —
749 Rhodamine B (oil pink) lb. 2.50 - —
1080 Anthroquinone violet base lb. 6.00 - —
680 Oil violet lb. .50 - —
Yellow:—
15 Amidoazobenezene yellow lb. .90 - —
17 Amidoazotoluene yellow. lb. .75 - —
61 Yellow OB lb. 1.40 - —
Spirit-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 8c. per lb. higher; f.o.b. sellers' works or ware house).
Black:—
864 Nigrosin lb. .40 - —
Blue:—
729 Victoria blue lb. 2.65 - —
860 Indulin lb. .70 - —
Brown:—
331 Bismarck brown lb. 1.50 - —
Green:—
637 Malachite green base lb. 2.00 - —
Orange:—
20 Chrysoidin G lb. .95 - —
21 Chrysoidin R lb. .95 - —
Red:—
677 Fuchsin, magenta base. lb. 7.25 - —
749 Rhodamine B lb. 4.75 - —
Yellow:—
67 Amidoazotoluene yellow lb. .75 - —
655 Auramine lb. 2.00 - —
800 Chinolin yellow SS lb. 2.00 - —
Violet:—
680 Methyl violet lb. .70 - —
Water-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 8c. per lb. higher; f.o.b. sellers' works or warehouse).
Black:—
246 Naphthol blue black S, lb. .50 - —
865 Nigrosin lb. .36 - —
873 Methylene gray lb. 1.50 - —
Blue:—
714 Patent blue A lb. 1.45 - —
729 Victoria blue B lb. 2.00 - —
861 Indulin lb. .87 - —
909 New blue R lb. 1.30 - —
922 Methylene blue lb. 1.00 - —
1054 Alizarin saphirol B lb. 1.90 - —
1180 Indigotin IA lb. .85 - —
Brown:—
234 Resorcin brown Y lb. .65 - —
235 Resorcin dark brown R lb. .66 - —
231 Bismarck brown G lb. .52 - —
232 Bismarck brown R lb. .37 - —
766 Phosphin lb. 4.65 - —
Green:—
5 Naphthol green B lb. 1.00 - —
657 Malachite green lb. 1.35 - —
662 Brilliant green lb. 2.00 - —
666 Guinea green B lb. 1.15 - —
737 Wool green S lb. .58 - —
924 Methylene green B lb. 1.55 - —
1078 Alizarin cyanin green. lb. 2.35 - —
Orange:—
10 Chrysoidin G lb. .40 - —
21 Chrysoidin R lb. .37 - —
27 Orange G lb. .50 - —
151 Orange Y lb. .30 - —
161 Orange R lb. .34 - —
Red:—
31 Amidonaphthol red G, lb. .42 - —
37 Amidonaphthol red 6B. lb. .68 - —
79 Ponceau R lb. .48 - —
88 Fast red B lb. 1.05 - —
176 Fast red A lb. .54 - —
179 Azorubin lb. .52 - —
183 Crocein scarlet 3BX lb. .60 - —
185 Cochineal red A lb. .60 - —
252 Brilliant crocein M lb. .68 - —
677 Fuchsin lb. 2.10 - —
749 Rhodamine B lb. 3.50 - —
752 Rhodamine 6G lb. 4.50 - —
768 Eosin G lb. 1.50 - —
841 Safranin lb. 1.45 - —
Water-soluble:—
Violet:—
680 Methyl violet B lb. .75 - —
681 Crystal violet C lb. 1.75 - —
695 Acid violet 4BN lb. .88 - —
Yellow:—
10 Naphthol yellow S lb. .88 - —
138 Metanil yellow lb. .53 - —
636 Fast light yellow lb. 1.25 - —
639 Xylene light yellow lb. 1.15 - —
640 Tartrazin lb. .80 - —
655 Auramine lb. 1.27 - —
Dyes, natural (see name of article).

E

Echinacea root, bls lb. .21 - .22
Egg albumen (see Albumen).
yolk, bbls lb. .60 - .62
Elder flowers, bright, bls lb. .20 - .22
Elecampane root, bls lb. .10 - .11
Elm bark, grinding, bls lb. .11 - .12
powd., bbls., bxs lb. .20 - .21
select, bndls lb. .50 - .55
Emetine hydrochloride, bots oz. 17.00 -18.00
Ephedra, bls lb. .13 - .15
Ephedrine, tins, 100 ozs oz. 3.75 - —
Hydrochloride, tins, 100 ozs. oz. 2.75 - —
Sulphate, cryst., tins, 100 ozs. oz. 2.75 - —
Epsom salt, tech., bgs. 100 lbs. 1.80 - —
bbls. 100 lbs. 1.90 - —
USP, cryst., dom., bgs., c.l., 100 lbs. 2.00 - —
l.c.l., 5,000 lbs., 1 withdrawal lb. 2.25 - —
smaller lots lb. 2.50 - —
bbls., c.l. lb. 2.10 - —
l.c.l., 5,000 lbs., 1 withdrawal lb. 2.35 - —
smaller lots lb. 2.60 - —
kgs., c.l. lb. 2.35 - —
l.c.l., 5,000 lbs., 1 withdrawal lb. 2.60 - —
smaller lots lb. 2.85 - —
dried, dom., bgs., l.c.l. lb. .08 - .10
Ergot, USP, cs., dms lb. 1.25 - 1.30
Eserine, bots oz. 42.00 - —
Salicylate, bots oz. 33.00 -34.00
Sulphate, bots oz. 30.00 - —
Ether, acetic (see Ethyl acetate)
Ethyl (see Ether, sulphuric).
Nitrous, conc., bots., 100 lbs., lb. .68 - —
Sulphuric, conc., dms., 120 lbs., lb. .09 - —
cns., 27 lbs lb. .14 - —
synth., dms., c.l., works lb. .08 - —
l.c.l. works lb. .09 - —
USP, anesthesia, dms., 27 lbs., lb. .26 - —
USP, 1880, dms lb. .39 - .40
washed, dms lb. .37 - .38
Ethyl acetate, 85 p.c., dms., c.l., frt. alld lb. .06½- —
l.c.l., frt. alld lb. .07 - —
tanks, frt. alld lb. .05½- —
99 p.c., dms., c.l., frt. alld., lb. .07¼- —
l.c.l., frt. alld lb. .0?¾- —
tanks, frt. alld lb. .06¼- —
Ethyl acetate, N. F., VI, 99%, dms., 400 lbs. lb. .08½- —
cns., 35 lbs. lb. .13½- —
USP, VIII, 90%, dms., 400 lbs. lb. .07½- —
cns., 35 lbs. lb. .12½- —
Acetoacetate, dms., c.l., works, lb. .27½- —
l.c.l., dms., works lb. .28 - —
Bromide, tech., dms. lb. .50 - .55
Caproate, cns. lb. 1.00 - —
Chloride, dms. lb. .22 - .24
Cinnamate, cns. lb. 3.20 - 4.00
Crotonate, dms., works lb. 1.00 - 1.25
Formate, cns., dms lb. .27 - .28
Iodide, bots. lb. 4.85 - 4.90
Lactate, 55-gal dms., works lb. .33 - —
5-gal. dms., works lb. .36 - —
Oxalate, dms lb. .30 - .34
Silicate, l.c.l., dms., works lb. .77 - —
Ethylcellulose, bgs., 500 lbs. or more, frt. alld lb. .6440- —
100 lbs., frt. alld lb. .6930- —
smaller lots, works lb. .7425- —
Ethylene bromide, dms lb. .65 - .70
Dichloride, dms., c.l., works, E. of Rockies, frt. alld lb. .0545- .06½
West of Rockies, same basis lb. .0595- .06
l.c.l., dms., works, E. of Rockies, frt. alld lb. .0644- .06½
West of Rockies, same basis lb. .0694- .07
Ethyleneglycol, dms., c.l. lb. .16 - —
l.c.l. lb. .17 - .20
tanks lb. .15 - —
Monobutylether, dms., c.l., works lb. .18 - —
l.c.l., works lb. .19 - .22
tanks, works lb. .17 - —
Monoethylether, dms., c.l., works lb. .15 - —
l.c.l., works lb. .16 - —
tanks, works lb. .14 - —
Monoethylether, acetate, dms., c.l., works lb. .13 - —
l.c.l., dms lb. .14 - —
tanks, works lb. .12 - —
Monomethylether, dms., c.l., works lb. .17 - —
l.c.l., works lb. .18 - —
tanks, works lb. .16 - —
Ethylidinaniln, dms lb. .43 - .47½
Ethylmethyl ketone, dms., c.l., frt. pd. E. of Rocky Mts., lb. .06¼- —
l.c.l., same terms lb. .07 - —
tanks, same terms lb. .05¼- —
Ethylorthoparatoluenesulphonamide, bbls. lb. .55 - —
Ethylparatoluenesulphonamide, bbls. lb. .60 - —
Eucalyptol, cns., dms lb. .58 - .60
Eucalyptus leaves, bls lb. .08 - .09
Eugenol, bgs., cns lb. 2.10 - 2.55
Euphorbia, bls lb. .05 - .06

F

Feldspar, enamel, 100 mesh, bulk, works ton. 14.00 -15.00
glass, 20 mesh, bulk, works ton. 11.00 -12.25
pottery, bulk, Me. works ton. 17.00 -19.00
N.C. works ton. 17.00 -19.00
Fennel seed, French type, bgs., lb. .07½- .08
Indian, bags lb. .07½- .07¾
German, large, bgs lb. .18 - .19
small, bgs lb. .13 - .14
Fenugreek seed, bgs lb. .03¾- .04¼
Ferric sulphate, dms., works ton. 35.00 -40.00
Film scrap, colors, dark, cs., 1,000 lbs. or over, works lb. .12½- —
smaller lots, works lb. .13 - —
light, cs., 1,000 lbs. or over, works lb. .13½- —
smaller lots, works lb. .14 - —
water white, cs., 1,000 lbs, or over, works lb. .15½- —
smaller lots, works lb. .16 - —
Fir balsam, Canada, cns gal. 17.00 -18.00
Oregon, bbls gal. 1.35 - 1.40
Fish berries, bgs lb. .08 - .09
Fish scrap, menhaden, dried, 11-12% ammon., 15% bone phos., bulk, Chesapeake factories, contracts, futures unit-ton. 3.00 & .10
grd., 11-12% ammon., 15% bone phos., bgs., f.o.b. Palto ton. 50.00 - —
wet, acidulated, 6-7% ammon., 3-4% phosphor. acid, bulk, E. cst. factories, contracts unit-ton. No prices.
sardine, meal, Japanese, 11¼% ammon., bgs., c.i.f. ports, May shipt ton. 44.50 -45.00
spot or nearby ton. 44.50 -45.00
Flake white, bbls., kgs lb. .09½- —
Fleaseed, French, black, bgs lb. .08 - .08½
Indian, blonde, bgs lb. .08 - .08½
Fluorspar, dom., No. 1 ground, bulk, 95-98%, f.o.b. mines, ton. 31.50 Nom.
Washed gravel, 85-5, f.o.b. Ill.-Ky. mines ton. 20.00 Nom.
No. 2, lump, 85.5 f..ob. Ky. and Ill. mines ton. 22.00 Nom.
imported, 85% not over 5% duty paid ton. 23.50 Nom.
Formaldehyde, bbls., c.l., works. lb. .05¾- —
l.c.l., works lb. .06¼- —
dms., c.l., works lb. .05¼- —
l.c.l., works lb. .05¾- —
tanks, works lb. .04½- —
Fringetree bark, bls lb. .13 - .14
Fullers earth, dom., bgs., c.l., f.o.b. Fla., Ga., mines ton. 10.00 - —
import, bgs., c.l., ex dock ton. 28.00 - —
l.c.l., ex whse ton. 30.00 - —
Furfural, refd., dms., c.l., works. lb. .15 - —
l.c.l., works lb. .17½- .26
tech., dms., contracts, 150,000 lbs., works lb. .10 - —
c.l., works lb. .12½- —
l.c.l., works lb. .15 - .20
tanks, works lb. .09 - —
Fusel oil, refd., dms. incl., dlvd. lb. .12½- .14
Fustic extract, cryst., bbls lb. .22 - .26
liquid, bbls lb. .09½- .13
solid, dms lb. .17½- .19½

G

G salt, bbls lb. .45 - .49
Galangal root, bls lb. .09 - .10
Gall extract, bbls lb. .19 - .20
Gambier, common, bgs lb. .06¾- .07¾
plantation, bgs lb. .08¼- .09¾
Cubes, Singapore, bgs lb. .10½- .11
Extract, bbls lb. .06½- .09½
Gasoline at refinery:—
Bayonne, US motor, below 65 octane, tanks gal. .07 - .07¼
65 octane and above, tanks, gal. .07½- .07¾
California, 54-58, tanks gal. .07½- .08¼
Gulf Coast, U. S. Motor, bulk, gal. .04¾- —
60-62, 390 e.p., bulk, export, gal. .04¾- —
60-62, 400 e.p., bulk, export, gal. .04¾- —
64-66, 375 e.p., bulk, export, gal. .04¾- .04⅞

Diamyl Ether—Green

Gasoline, at rfy., Louisiana-Arkansas, US motor, 62 octane, tanks gal. .04¼- .04½
63-66 octane, tanks gal. .04¼- .04⅝
67-69 octane, tanks gal. .04⅝- .05
70-72 octane, tanks gal. .05½- .05¾
Oklahoma-Texas, US motor, 62 octane and below, tanks gal. .04¼- .04¼
third grade, tanks gal. .04¼- .04¼
63-68 octane, tanks gal. .04⅝- —
67-69 octane, tanks gal. .04⅝- —
70-72 octane, tanks gal. .04⅞- .05¼
natural, 12-lb. v. p., tanks, gal. .04¼- .04¼
14-lb. v.p., tanks gal. .03¾- —
18-lb. v.p., tanks gal. .03 - —
22-lb. v.p., tanks gal. .02¾- —
26-70 lb., v.p., tanks gal. .02½- .02⅝
Pennsylvania, US motor, below 60 octane, tanks gal. .05 - —
63 octane, tanks gal. .06¼- .06½
52-56 450 e.p., naphtha, tanks gal. .04¾- .05
Gelatin, silver, cs lb. .45 - .50
Gelsemium root, bls lb. .11 - .12
Gentian root, bls lb. .09½- .10
grd., bbls., bxs lb. .12 - .13
powd., bbls., bxs lb. .13 - .14
Geraniol, cns., dms lb. .67 - 3.00
Geranyl acetate, bots., dms lb. 1.20 - 2.50
Ginger root, African, bgs lb. .07 - .07½
Cochin, lemon, bgs lb. .11¾- .12
Jamaica, bold, bgs lb. .16 - .16½
grinding, bright, bgs lb. .13½- .13¾
medium, bold, bgs lb. .14 - .14½
Japanese, bgs lb. .09½- .10
Ginseng fibers, cs lb. 1.75 - 3.00
Root, cultivated, cs lb. 10.00 -11.00
wild, Southern, cs lb. 6.00 - 7.00
Glauber's salt, anhyd. (see Soda sulphate).
cryst., dom., bgs., bbls., c.l., works 100 lbs. .95 - 1.15
5 tons or over, works 100 lbs. 1.05 - 1.25
less than 5 tons, works 100 lbs. 1.15 - 1.35
import., bgs 100 lbs. 1.05 - 1.35
Glue, bone, calcimine type, 24 millipoise, 36 jelly-grams, bgs., c.l., dlvd. lb. .13 - —
l.c.l., dlvd. lb. .13½- —
36/58, bgs., c.l., dlvd. lb. .13½- —
l.c.l., dlvd lb. .14 - —
58/82, bgs., c.l., dlvd lb. .14½- —
l.c.l., dlvd. lb. .15 - —
82/108, bgs., c.l., dlvd lb. .15 - —
l.c.l., dlvd. lb. .15½- —
hide, calcimine type, 53 millipoise, 135 jelly grams, bgs., c.l., dlvd., East, Middlewest lb. .15 - —
l.c.l., same basis lb. .15½- —
60/164, bgs., c.l., same basis lb. .16½- —
l.c.l., same basis lb. .17 - —
67/122, bgs., c.l., same basis lb. .17½- —
l.c.l., same basis lb. .18 - —
75/222, bgs., c.l., same basis, lb. .18½- —
l.c.l., same basis lb. .19½- —
83/251, bgs., c.l., same basis lb. .19½- —
l.c.l., same basis lb. .20½- —
92/283, bgs., c.l., same basis lb. .20½- —
l.c.l., same basis lb. .21½- —
102/315, bgs., c.l., same basis lb. .21 - —
l.c.l., same basis lb. .22 - —
113/347, bgs., c.l., same basis lb. .22 - —
l.c.l., same basis lb. .23 - —
125/379, bgs., c.l., same basis lb. .23 - —
l.c.l., same basis lb. .24 - —
Glue prices for barrel packing, ½c. lb. higher, grinding charge, 20-40 mesh, ½c. lb.; 60 mesh, 1c. lb.
Glycerin, C.P., makers, cns., l.c.l. lb. .17¼- .18
dms., extra, c.l. lb. .15¼- —
l.c.l. lb. .16 - —
Glycerin, dynamite, dms., extra, c.l. lb. .15½- —
l.c.l. lb. .16 - —
saponification, basis 88%, dms., returnable, dlvd. lb. .10½- .11
soaplye, basis 80%, dms., returnable, dlvd. lb. .09½- .10
yellow, distilled, dms., extra, c.l. lb. .15¾- —
l.c.l. lb. .15¾- —
Glycol boriborate, dms lb. .23 - —
Phthalate, dms. lb. .38 - —
Stearate, dms. lb. .25 - —
Gold, U.S. purchase price oz. 35.00 - —
Chloride, acid brown, bots. oz. 20.75 -21.00
yellow, bots. oz. 18.75 -19.00
Gold-soda chloride, photo., bots., oz. 13.00 - —
U.S.P. IX, bots oz. 14.50 -14.75
Gold of pleasure seed, bgs. lb. .15½- .16
Golden seal root, bls lb. 3.60 - 3.65
powd., bxs lb. 3.75 - 3.80
Grains of paradise, bgs lb. .25 - .27
Graphite, flake (cryst.), 90% 325 mesh, 50% graphitic carbon, bgs., c.l., works lb. .06 - —
bbls., c.l., works lb. .06¼- —
l.c.l., works lb. .06½- —
powd., 90% 325 mesh, 65% graphitic carbon, bgs., c.l., works lb. .02½- —
bbls., c.l., works lb. .02¾- —
l.c.l., works lb. .03¼- —
80% graphitic carbon, bgs., c.l., works lb. .03½- —
bbls., c.l., works lb. .03¾- —
l.c.l., works lb. .04½- —
Grease, house, trcs lb. .03¾- .04½
White, trcs. lb. .05% Nom.
Yellow, trcs. lb. .03¾- .04½
Wool (see Adeps lanae and Degras).
Green, chrome, C.P., dark, light, medium, blue content up to 5%, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis lb. .21 - —
6-10%, bbls., same basis lb. .22 - —
11-15%, bbls., same basis lb. .23 - —
16-20%, bbls., same basis lb. .23½- —
21-25%, bbls., same basis lb. .24 - —
26-30%, bbls., same basis lb. .24½- —
31-35%, bbls., same basis lb. .25½- —
36-40%, bbls., same basis lb. .27 - —
41-45%, bbls., same basis lb. .28½- —
46-50%, bbls., same basis lb. .30 - —
over 50%, bbls., same basis lb. .31 - —
Chrome green prices are ½c. higher dlvd. Ala., Fla., Ga., La., (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
reduced, C.P. color content up 5%, bbls., same basis, lb. .06 - —
6-10%, bbls., same basis lb. .06¾- —
11-13%, bbls., same basis lb. .07¼- —
14-16%, bbls., same basis lb. .07½- —
17-19%, bbls., same basis lb. .07¾- —

Green—Lead, Red

Green, chrome, reduced, CP color content, 20-21%, bbls, same basis..lb. .08 - —
22-23%, bbls., same basis..lb. .08¼- —
24-25%, bbls., same basis..lb. .08½- —
26-27%, bbls., same basis..lb. .08¾- —
28-29%, bbls., same basis..lb. .09¼- —
30-31%, bbls., same basis..lb. .10 - —
32-33%, bbls., same basis..lb. .11¼- —
34-35%, bbls., same basis..lb. .12¼- —
36-40%, bbls., same basis..lb. .14¼- —
41-45%, bbls., same basis..lb. .16¼- —
46-50%, bbls., same basis..lb. .16¾- —
51-55%, bbls., same basis..lb. .17¼- —
56-60%, bbls., same basis..lb. .17¾- —
61-65%, bbls., same basis..lb. .18¼- —
66-70%, bbls., same basis..lb. .19¼- —
71-75%, bbls., same basis..lb. .20¼- —
Chrome, oxide, dom., pure, bbl. ceramic, light shades, bbls., c.l., works..lb. .28 - —
l.c.l., works .....lb. .30 - —
standard grade, bbls., works..lb. .21 - .22
Tetrahydroxide, bbls. .....lb. .85 - —
Paris (see P)
Tungstated, brilliant, kgs....lb. 3.75 - —
emerald, kgs. .....lb. 2.60 - —
Verdigris (see V)
Green dyes are listed under Dyes.
Grindelia robusta, bls.....lb. .08 - .09
Guaiac resin, cs.....lb. .27 - .28
strained, cs. .....lb. .90 - 1.00
Wood, bls. .....lb. .04 - .06
Guaiacol, liq., djns.....lb. 1.55 - 1.70
Carbonate, fib. dms., 25 lbs..lb. 2.40 - 2.74
Guarana, powd., cs. .....lb. 1.05 - 1.10
Gum, aloe (see A).
Ammoniac, tears., cs.....lb. .85 - .90
Arabic, amber sorts, cleaned, bgs..lb. .10¼- .10¾
white, sorts, 1, bgs.....lb. .27 - .28
2, bgs. .....lb. .25 - .26
powd., bbls. .....lb. .13½- .14
Asafetida (see A).
Asphaltum (see A).
Benzoin, Siam, cs.....lb. 1.40 - 1.65
Sumatra, cs. .....lb. .18 - .20
Camphor (see C).
Chicle, prime, 33% moisture, bgs., ton lots..lb. .38 - .39
Copal, Congo 1, water white, transparent, bgs., c.l., ex dock or ex whse., N. Y. or San Fran....lb. .89¾- —
Copal, dammar, elemi, kauri, mastic, sandarac, and yacca gums prices c.l. (30,000 lbs. min.) apply to assorted lots of gums as well as one grading; l.c.l. prices are ¼c. higher for 10 bgs. or over; ½c. higher for 1-9 bgs.
2, cloudy, white, bgs., c.l., same basis..lb. .28¾- —
3, selected pale straw bold, bgs., c.l., same basis..lb. .18¼- —
4, pale bold straw, bgs., c.l. same basis..lb. .18¾- —
5, pale straw bold, bgs., c.l. same basis..lb. .14¾- —
6, pale amber bold, bgs., c.l., same basis..lb. .15¾- —
7, pale straw bold, bgs., c.l., same basis..lb. .12¾- —
8, light amber bold, bgs., c.l., same basis..lb. .12¾- —
9, medium light amber bold, bgs., c.l., same basis..lb. .09¾- —
10, rescraped hard amber bold, bgs., c.l., same basis, lb. .09¾- —
11, hard dark amber bold, bgs., c.l., same basis..lb. .08¼- —
12, selected bold sorts, bgs., c.l., same basis..lb. .06¾- —
13, dark sorts bold, bgs., c.l., same basis..lb. .05¾- —
14, selected, fully scraped, ivory, bgs., c.l., same basis..lb. .18¼- —
15, ordinary ivory sorts, bgs., c.l., same basis..lb. .06¾- —
16, inferior ivory sorts, bgs., c.l., same basis..lb. .05¾- —
17, pale fingers, bgs., c.l., same basis..lb. .15¾- —
18, pale straw nubs, bgs., c.l., same basis..lb. .12¼- —
19, pale straw nubs, bgs., c.l., same basis..lb. .11¾- —
20, hard dark amber nubs, bgs., c.l., same basis..lb. .08¾- —
21, ordinary selected nubs, c.l., same basis..lb. .07¼- —
22, small mixed nubs, bgs., c.l., same basis..lb. .06¾- —
23, dark mixed nubs, bgs., c.l., same basis..lb. .06¾- —
24, No. 1, ivory nubs, bgs., c.l., same basis..lb. .14¼- —
25, No. 2, natural ivory nubs, bgs., c.l., same basis, lb. .07 - —
26, pale bold chips, bgs., c.l., same basis..lb. .06¼- —
27, pale small chips, bgs., c.l., same basis..lb. .05¾- —
28, pale dust, bgs., c.l., same basis..lb. .05 - —
East India, Batu, bold scraped, bgs., c.l., same basis, lb. .05¼- —
unscraped, bgs., c.l., same basis..lb. .04 - —
chips, bgs., c.l., same basis, lb. .03¾- —
dust, bgs., c.l., same basis..lb. .03¼- —
nubs and chips, bgs., c.l., same basis..lb. .03¾- —
black, bold, scraped, bgs., c.l., same basis..lb. .06¾- —
unscraped, bgs., c.l., same basis..lb. .04¼- —
nubs and chips, bgs., c.l., same basis..lb. .04¼- —
Hiroe, Macassar, pale, bold, bgs., c.l., same basis.lb. .12½- —
chips, bgs., c.l., same basis..lb. .05¾- —
dust, bgs., c.l., same basis, lb. .03¼- —
nubs, bgs., c.l., same basis..lb. .10¾- —
Singapore, Rasak, bold, bgs., c.l., same basis..lb. .15¼- —
chips, bgs., c.l., same basis, lb. .04¾- —
dust, bgs., c.l., same basis.lb. .03¼- —
nubs, bgs., c.l., same basis.lb. .10 - —
Manila, Boeas, amber and dark, bskts., c.l., same basis..lb. .11½- —
light, bskts., c.l., same basis..lb. .13¾- —
Loba A, bskts., c.l., same basis..lb. .12 - —
B, bskts., c.l., same basis..lb. .11 - —
C, bskts., c.l., same basis..lb. .10½- —
CNE, bskts., c.l., same basis..lb. .06¾- —
D, bskts., c.l., same basis, lb. .09¾- —
DK, bskts., c.l., same basis, lb. .06¾- —
DU, bskts., c.l., same basis, lb. .08¾- —
dust, bskts., c.l., same basis, lb. .06¾- —
Sambas and white split chips, bskts., c.l., same basis..lb. .15 - —
Gum, copal, Manila, Singapore, dust, bskts., c.l., same basis, lb. .06¾- —
spirit-soluble, CBB, bskts., c.l., same basis..lb. .08¾- —
DBB, bskts., c.l., same basis..lb. .08 - —
MA, bskts., c.l., same basis, lb. .06½- —
MB, bskts., c.l., same basis, lb. .06 - —
WS, bskts., c.l., same basis, lb. .08 - —
Philippine Manila, amber sorts, bskts., c.l., same basis, lb. .06⅝- —
chips, pale, bskts., c.l., same basis..lb. .08⅞- —
small, bskts., c.l., same basis..lb. .07¼- —
extra pale sorts, bskts., c.l., same basis..lb. .09½- —
nubs, bskts., c.l., same basis..lb. .10¾- —
pale, scraped, bskts., c.l., same basis..lb. .11¾- —
seeds and dust, bskts., c.l., same basis..lb. .05¾- —
Pontianak, bold, genuine, bgs., same basis..lb. .16½- —
mixed, bgs., c.l., same basis..lb. .14 - —
chips, bgs., c.l., same basis, lb. .10¼- —
split, bgs., c.l., same basis, lb. .13⅝- —
nubs, bgs., c.l., same basis..lb. .12⅞- —
Dammar, Batavia A, cs., c.l., same basis as copal..lb. .22⅜- —
A/D, cs., c.l., same basis.lb. .17¾- —
A/E, cs., c.l., same basis.lb. .15 - —
B, cs., c.l., same basis...lb. .21 - —
C, cs., c.l., same basis...lb. .18¼- —
D, cs., c.l., same basis...lb. .15⅝- —
dust, cs., c.l., same basis.lb. .06⅜- —
E, cs., c.l., same basis...lb. .08¼- —
F, cs., c.l., same basis...lb. .07¼- —
Singapore, 1 cs., c.l., same basis..lb. .19¼- —
2, cs., c.l., same basis....lb. .15 - —
3, cs., c.l., same basis....lb. .05½- —
chips, cs., c.l., same basis.lb. .12½- —
dust, cs., c.l., same basis.lb. .05½- —
seeds, cs., c.l., same basis.lb. .08⅝- —
Elemi, cns., c.l., same basis as copal..lb. .08¾- —
Ester, dms., dlvd., New England, N. J., eastern N. Y. and Pa., Del., and Md., 75,000 lbs., contrs. or single shipt., 10,000 lbs., lb. .07¼- .07¾
less than 10,000 lbs., same basis..lb. .07½- .08
dlvd., western N. Y. and Pa., Ohio, Mich., Ind., Ill., Wis., Minn., Iowa, Mo., Ky., Va., W. Va., and N. C., 75,000 lbs., contrs. or straight c.l., lb. .07¾- .08¼
l.c.l., same basis.....lb. .08 - .08½
Gum, ester, dms., dlvd., elsewhere, 75,000 lbs., contrs, or straight, c.l..lb. .08 - .08½
l.c.l., same basis.....lb. .08¾- .08¾
Euphorbium, cs.....lb. .17 - .18
Geibanum, cs.....lb. .95 - 1.00
Gamboge, pipe, cs.....lb. .70 - .75
powd., bbls.....lb. .75 - .80
Ghatti, soluble, bgs.....lb. .11 - .15
superior, bxs.....lb. .09 - .11
Guaiac (see Gualac resin).
Karaya, bbls., bxs., dms....lb. .14½- .28
Kauri, brown, XXX, cs., c.l., lb. .60 - —
BX, cs., c.l., same basis..lb. .38 - —
B1, cs., c.l., same basis..lb. .28 - —
B2, cs., c.l., same basis..lb. .24 - —
B3, cs., c.l., same basis..lb. .18½- —
80% chips, cs., c.l., same basis..lb. .12½- —
pale, XXX, cs., c.l., same basis..lb. .61 - —
1, cs., c.l., same basis..lb. .41 - —
2, cs., c.l., same basis..lb. .24 - —
3, cs., c.l., same basis..lb. .17¾- —
Kino, tins.....lb. 2.50 - 2.75
Mastic, cs., c.l., same basis as copal..lb. .55 - .56
Myrrh, USP, cs.....lb. .35 - .36
Olibanum, siftings, bls.....lb. .07½- .18
tears, cs.....lb. .13 - .24
Opium (see O)
Rosin (see R)
Sandarac, cks., c.l., same basis as copal..lb. .25 - .26
Scammony, cs.....lb. 1.10 - 1.15
Senegal, picked, bgs.....lb. .25 - .27
sorts, bgs.....lb. .10½- .11
Talha, bgs.....lb. .07¼- .08
Thus, bbls. .....280 lbs.14.00 -14.25
Tragacanth, Aleppo 1, cs....lb. 2.75 - 3.00
2, cs.....lb. 2.40 - 2.45
3, cs.....lb. 2.35 - 2.40
4, cs.....lb. 2.30 - 2.35
5, cs.....lb. 2.25 - 2.30
Flake, bgs.....lb. .50 - 1.00
Yacca, bgs., c.l., same basis as copal..lb. .03½- —
powd., bgs., c.l., same basis.lb. .04½- —
Gypsum, Keene's cement, paper bgs., c.l., f.o.b. Acme, Tex., frt. equald.ton.21.15 - —
Medicine Lodge, Kans., frt. equald..ton.17.00 - —
New Brighton, N. Y., frt. equald..ton.27.15 - —
Southard, Okla., frt. equald..ton.17.00 - —
Sweetwater, Tex., frt. equald..ton.21.15 - —
plaster of paris, paper bgs., c.l., f.o.b. Acme, Tex., frt. equald..ton.12.50 - —
Blue Rapids, Kans., frt. equald..ton.12.50 - —
New Brighton, N. Y., frt. equald..ton.15.70 - —
Brighton, N. Y., frt. equald..ton.15.70 - —
Southard, Okla., frt. equald..ton.12.50 - —
Sweetwater, Tex., frt. equald..ton.12.50 - —
stucco, paper bgs., c.l., f.o.b. Acme, Texas; Blue Rapids, Kans.; Fort Dodge, Ia.; Grand Rapids, Mich.; Gypsum, O.; New Brighton, N. Y.; Oakfield, N. Y.; Plasterco, Va.; Southard, Okla.; Sweetwater, Tex., frt. equald, ton. 8.00 - —
Terra alba, dom., paper bgs., c.l., f.o.b. New Brighton, N. Y.; Southard, Okla., frt. equald..ton.12.00 - —
Import, bgs., ex dock....ton.27.50 - —

H

Heliotropin, cryst., cns.....lb. 1.80 - 2.20
Hellebore, white, root, powd., bbls.lb. .12 - .13
Helonias root, bls.....lb. .59 - .60
Hematine crystals, bbls.....lb. .18 - .28
Hemlock extract, 25% tan., bbls.lb. .03 - .04
Hempseed, Manchur., bgs.....lb. .05¾- .06¼
Henbane leaves, bls.....lb. .15 - .16
Henna leaves, bls.....lb. .07½- .09
powd., bbls., bxs.....lb. .10 - .11
Heptane, mixed, 77-115°C., dms., c.l., Group 3..gal. .11 - —
l.c.l., Group 3.....gal. .16 - —
tanks, Group 3.....gal. .08½- —
normal, 86-100°, dms., c.l., Group 3..gal. .11½- —
l.c.l., Group 3.....gal. .17 - —
tanks, Group 3.....gal. .09¼- —
Hexalin, dms.....lb. .30 - —
Hexane, normal, 60-70° C., dms., c.l., Group 3..gal. .12½- —
l.c.l., Group 3.....gal. .17 - —
tanks, Group 3.....gal. .10¼- —
laboratory grade, dms., c.l., Group 3..gal. .14 - —
l.c.l., Group 3.....gal. .25 - —
Hexamethylenetetramine, tech., dms., 1,600 lbs. or more shipments, f.o.b. Perth Amboy or N. Y. C..lb. .35 - —
150 to 1,350 lbs. shipments, same basis..lb. .36 - —
USP, dms., 500 lbs. or more, shipments, same basis, lb. .46 - —
100 to 400 lbs., shipments, same basis..lb. .47 - —
Hexyl acetate, secondary, dms., c.l., frt. pd. E. of Rocky Mts..lb. .13 - —
l.c.l., same terms.....lb. .13½- —
tanks, same terms.....lb. .12 - —
Homatropine hydrobromide, bots., 50 ozs..oz.13.00 - —
25 ozs.....oz.13.50 - —
Hoofmeal, 17-18% ammon., bulk, f.o.b. Chicago..unit-ton. 2.75 - —
Hops, N. F., bls.....lb. .17 - .27
Horehound, bls. .....lb. .12 - .15
Hydrangea root, bls.....lb. .12 - .13
Hydrastine, bots., 4 ozs.....oz.17.25 - —
cns., 16 ozs.....oz.17.00 - —
Hydrochloride, bots,, 4 ozs...oz.17.25 - —
cns., 16 oz. .....oz.17.00 - —
Sulphate, bots., 4 ozs.....oz.19.25 - —
cns., 16 oz .....oz.19.00 - —
Hydrastis (see Golden seal).
Hydrofluramide, dms., 100 lbs. or more, works..lb. .30 - —
fib. ctns., works.....lb. .40 - —
Hydrogen peroxide, USP, bbls.lb. .03¾- .04
100 vols., cbys., E. of Miss. R.lb. .19½- .20
W. of Miss. R. .....lb. .21 - —
Hydroquinone, dealers, bbls., dms..lb. .90 - .94
Hydroxycitronellal, cns.....lb. 2.00 - 2.50
Hyoscine hydrobromide, bots..oz.18.00 -19.00
Hyoscyamine, bots.....oz.15.00 - —
Hydrobromide, bots.....oz.15.00 - —
Sulphate, bots.....oz.15.00 - —
Hypernic, liq., 51°, bbls.....lb. .16 - .21
solid, bxs .....lb. .18½- .20½

I

Iceland moss, bls.....lb. .12 - .13
Ichthyol, bots.....lb. 4.00 - 4.25
Indian red (see Red, Indian).
Indigo, nat., Madras, cs.....lb. 1.63 - 1.67
synth., liq., bbls.....lb. .16½- .19
powd., bbls.....lb. .74½- .85
Indel, CP, bots.....lb.32.00 -34.00
Insect flowers (see Pyrethrum).
Iodine, crude, jars, 25 lbs.....lb. 1.01 - —
kgs., 150 lbs.....lb. .95 - —
resubl., bots., 5 lbs.....lb. 1.60 - —
jars, 50 lbs.....lb. 1.50 - —
tincture, USP, bbls., 47 gals., gal. 1.55 - —
cbys., 5 gals.....gal. 1.65 - —
mild, bbls., 47 gals.....gal. .80 - —
cbys., 5 gals. .....gal. .90 - —
Iodoform, dms., 100 lbs.....lb. 3.75 - —
jars, 25 lbs.....lb. 3.85 - —
Ionone, bots.....lb. 1.30 - 4.05
Ipecac, root, bgs.....lb. 1.10 - 1.15
powd., bxs. .....lb. 1.20 - 1.25
Irish moss, ordinary, bls.....lb. .10 - .11
powd., 80-90 mesh, bbls...lb. .24 - .32
prime, bleached, bls.....lb. .18 - .20
Iron acetate, N. F. IV, cbys., 100 lbs..lb. .15 - —
djns., 50 lbs.....lb. .16 - —
liquor, bbls., c.l., dlvd....lb. .03 - —
l.c.l., dlvd.....lb. .04 - —
Chloride (ferric), tech., anhyd., 390-lb. dms..100 lbs. 4.65 - 6.25
150-lb. dms.....100 lbs. 5.00 - 6.60
cryst., bbls., works, frt. alld. or equid..lb. .05 - .06
kegs, works, frt. alld. or equid..lb. .07½- .08
liquor, cbys., works, frt. alld. or equid..lb. .05 - .06
USP X, cryst., bbls.....lb. .07½- —
kegs .....lb. .08½- —
USP solut., cbys., works, frt. alld. or equid..lb. .06½- .07
djns .....lb. .07½- —
Citrate, USP VIII, pearls, cns., lb. .72 - .75
powd., cns.....lb. .84 - .87
scales, cns.....lb. .77 - .80
Glycerophosphate, bbls., kgs., 1,000 lb. lots..lb. 2.87 - —
smaller lots.....lb. 2.97 - —
cns., 25 lbs.....lb. 3.09 - —
Hypophosphite, cns.....lb. 1.55 - 1.60
Iodide, bots.....lb. 2.85 - 3.00
syrup, djns.....lb. .37 - .38
bots. .....lb. .52 - —
Nitrate, coml., kgs.....lb. .02⅝- .03
Oxalate, powd., kgs.....lb. .47 - —
cns. .....lb. .52 - —
scales, cns.....lb. .83 - .85
Oxide (see Black, Red, etc.).
Phosphate, ferric, pearls, cns., 50 lbs..lb. .54 - —
25 lbs.....lb. .57 - —
scales, cns., 50 lbs.....lb. .59 - —
25 lbs.....lb. .62 - —
Ferrous, bbls., 200 lbs.....lb. .35 - —
bxs., 25 lbs.....lb. .40 - —
kgs., 100 lbs.....lb. .37 - —
Pyrophosphate, pearls, cns..lb. .59 - .62
scales, cns.....lb. .64 - .67
Reduced, 90%, cs.....lb. .60 - .65
Sulphate, tech. (see Copperas and ferric sulphate), USP, cryst., bbls., 275 lbs. lb. .04½- —
dms., 100 lbs.....lb. .06½- —
Iron-ammonia citrate, brown, gran., cns..lb. .37 - .40
pearls, cns.....lb. .37 - .40
scales, cns.....lb. .47 - .50
green, gran., cns.....lb. .37 - .40
pearls, cns.....lb. .37 - .40
scales, cns.....lb. .47 - .50
Oxalate, bxs.....lb. .30 - —
fib., dms.....lb. .23½- —
kgs. .....lb. .25½- —
Iron-potash oxalate, bbls.....lb. .42 - —
kgs. .....lb. .44 - —
jars .....lb. .48 - —
Iron-soda oxalate, bxs.....lb. .30 - —
fib., dms.....lb. .23½- —
kgs. .....lb. .25½- —
Isobutyl carbinol (see Carbinol).
Isopentane, dms., works.....lb. .48 - —
small lots, works.....lb. .50 - —
Isopropanol (see Alcohol, Isopropyl).
Isopropyl acetate, dms., c.l., frt. pd. E. of Rocky Mts..lb. .06½- —
l.c.l., same terms.....lb. .07 - —
tanks, same terms.....lb. .06½- —
Isopropyl alcohol (see Alcohol).
Ether, dms., c.l., works, frt. alld. E. of Miss R..lb. .07 - —
l.c.l. .....lb. .08 - —
tanks .....lb. .06 - —

J

Jaborandi leaves, bls.....lb. .12 - .13
Jalap root, NF, bls.....lb. .17 - .19
powd., bbls., bxs.....lb. .20 - .21
Juniper berries, bgs.....lb. .03¾- .04

K

Kamala, tins .....lb. .32 - .33
Kava kava root, bls.....lb. .15 - .16
Kerosene, at refinery:—
Bayonne, 41-43 w.w., tanks, gal. .05¾- —
Gulf ports, p.w., bulk, export, gal. .04 - —
w.w., bulk..gal. .04½- —
Louisiana-Arkansas, 41-43 w.w., bulk..gal. .04½- .04¾
Oklahoma-Texas, 41-43 w.w., tanks..gal. .04 - .04¾
42-44 w.w., tanks.....gal. .04½- .04½
Pennsylvania, 45 w.w., tanks, gal. .05 - .05¼
46 w.w., tanks.....gal. .05¼- .05⅜
47 w.w., tanks.....gal. .05¼- .05½
Kerosene, tankwagon:—
Atlanta .....gal. .14 - —
Boston .....gal. .08½- —
Chicago .....gal. .102 - —
Cincinnati .....gal. .13 - —
Denver .....gal. .11½- —
Louisville .....gal. .10½- —
Minneapolis .....gal. .106 - —
New Orleans .....gal. .12 - —
New York .....gal. .08¾- —
San Francisco .....gal. .11¼- —
Kerosene distillate (see Oil, furnace).
Kieserite, calc., 96-98% $MgSO_4$ bgs., c.l., ex vessel Atlantic, Gulf ports, duty pd..ton. No prices
Kola nuts, bgs.....lb. .07½- .08

L

Lady slipper root, bls.....lb. .55 - .60
Lanolin (see Adeps lanae).
Lard, city tubs.....100 lbs. 8.50 - 8.75
Middlewestern, trcs....100 lbs. 8.75 - 8.85
Neutral, trcs. .....lb. 9.00 - 9.50
Western, choice, trcs..100 lbs. 8.85 - 8.95
Compound, trcs. .....100 lbs. 10.25 -10.50
Larkspur seed, bgs.....lb. .30 - .33
Laurel berries, bls.....lb. .09 - .10
Leaves, Ital., bls.....lb. .04½- .05
Lavender flowers, ordinary, bls.lb. .35 - .40
select, bls.....lb. .48 - .50
Lead acetate, white, broken, bbls..lb. .11 - —
cryst., obls .....lb. .11 - —
gran., obls .....lb. .11¾- —
powd., obls .....lb. .11¾- —
Arsenate, bgs., dealers E. of Rockies .lb. .12½- —
W. of Rockies.....lb. .12½- —
l.c.l., bgs., dealers, E. of Rockies..lb. .13 - —
W. of Rockies .....lb .12¾- —
Lead arsenate prices are works or whse basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for works or whse. pick-up.
Blue, basic sulphate, bbls., c.l., dlvd., E—lb. .05¾- —
dlvd. Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo. .....lb. .06 - —
l.c.l., dlvd., E.....lb. .06 - —
dlvd. Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo. .....lb. .06¼- —
Carbonate (see Lead, white).
Chloride, pure, bots., 5 lbs..lb. .62 - —
fib. dms., 25 lbs.....lb. .49 - —
Iodide, N. F., V., powd., bots., 5 lbs..lb. 2.52 - —
jars .....lb. 2.40 - —
Linoleate, pale, precip., dms., lb. .19 - —
Metal (see daily quotations in market report).
Metallic, paste, 200-lb. cont., f.o.b. works..lb. .18 - —
5 lb. cont., f.o.b. works..lb. .21 - —
Nitrate, bbls.....lb. .10 - .13
Oleate, bbls. .....lb. .18½- .20
Peroxide, cns., works.....lb. .46 - .47
Red, dry, 95% or less, Pb_3O_4, bbls., c.l., (20 tons), dlvd., Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash..lb. .0725- —
other points .....lb. .0700- —
l.c.l., 5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash..lb. .07¾- —
dlvd., Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash.lb. .08¼- —
Colo., Mont., N. Mex., Wyo.....lb. .08 - —
other points.....lb. .07½- —
smaller lots, dlvd., Ala., etc..lb. .08¼- —
Ariz., etc.....lb. .08¾- —
Colo., etc.....lb. .08½- —
other points.....lb. .08 - —
97%, Pb_3O_4, bbls., c.l. (20 tons), dlvd. Ala., etc..lb. .0750- —
other points....lb. .0725- —
l.c.l., 5 tons, dlvd., Ala., etc..lb. .08 - —
Ariz., etc.....lb. .08½- —
Colo., etc.....lb. .08¼- —
other points.....lb. .07¾- —
smaller lots dlvd., Ala., etc..lb. .08½- —
Ariz. .....lb. .09 - —
Colo. .....lb. .08¾- —
other points.....lb. .08¼- —
98%, Pb_3O_4, bbls., c.l., (20 tons), dlvd., Ala., etc..lb. .0775- —
other points.....lb. .0750- —
l.c.l., 5 tons, dlvd., Ala., etc..lb. .08¼- —
Ariz., etc.....lb. .08¾- —
Colo., etc.....lb. .08½- —
other points.....lb. .08 - —
smaller lots, dlvd., Ala., etc..lb. .08¾- —
Ariz., etc.....lb. .09¼- —
Colo., etc.....lb. .09 - —
other points.....lb. .08½- —
In oil, 100-lb. kgs.....lb. .11¾- —

Lead, resinate, fused, 16%, bbls. lb. .09½- —
pale, bbls. lb. .11½- —
precip., bbls. lb. .16½- —
Stearate, bbls. lb. .22 - .28
Sulphate (see Lead, white, basic sulphate).
Titanate, bbls., c.l., f.o.b. works, frt. alld. lb. .11 - —
l.c.l., 5 tons, one delvy, dlvd., lb. .11¼- —
smaller lots lb. .11½- —
White, dry, basic carbonate, bbls., c.l., dlvd. Ariz., Cal., Colo., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash. and Wyo. lb. .06¾- —
other points lb. .06¾- —
l.c.l., dlvd., Ariz., etc. lb. .06¾- —
other points lb. .06½- —
basic sulphate, bbls., c.l., dlvd., Ariz., etc. lb. .06 - —
other points lb. .05¾- —
l.c.l., dlvd., Ariz., etc. lb. .06¼- —
other points lb. .06 - —
in oil, 100-lb. kgs., consumers, lb. .11¼- —
dealers lb. .09¼- —
painters lb. .10¼- —
Lemon peel, bls. lb. .09 - .10
Licorice extract, mass, cs. lb. .17 - .18
powd., bbls. lb. .24 - .32
Root, bls. lb. .04½- .06
powd., bbls., bxs. lb. .07 - .08
select, bndls., cs. lb. .16 - .17
Lime, chemical (quicklime), lump or pebble, bulk, f.o.b. Bellefonte, Pa. ton. 7.00 - —
Berkley, W. Va. ton. 7.50 - —
California, northern ton.11.80 - —
southern ton.11.45 - —
Cedar Hollow, Pa. ton. 8.00 - —
Chicago ton. 7.25 - —
Crab Orchard, Tenn. ton. 6.25 - —
Dallas, Texas ton. 8.50 - —
Durbin, Ohio ton. 6.50 - —
Eagle Mountain, Va. ton. 6.25 - —
Easton, La. ton. 7.00 - —
Farnams, Mass. ton. 7.50 - —
Gibsonburg, Ohio ton. 7.00 - —
Hannibal, Mo. ton. 6.50 - —
Keystone, Ala. ton. 7.00 - —
Knoxville, Tenn. ton. 7.00 - —
Leroy, Minn. ton. 8.00 - —
Limedale, Ark. ton. 7.00 - —
Longview, Ala. ton. 6.25 - —
Marble Cliff, Ohio ton. 6.50 - —
Marblehead, Ohio ton. 7.00 - —
Martinsburg, W. Va. ton. 7.00 - —
Menominee, Mich. ton. 8.00 - —
Mitchell, Ind. ton. 6.50 - —
Newala, Ala. ton. 6.25 - —
Potoskey, Mich. ton. 8.00 - —
Port Island, Mich. ton. 7.50 - —
Ripplemead, Va. ton. 6.25 - —
Riverton, Va. ton. 6.25 - —
Scioto, Ohio ton. 6.00 - —
Sheboygan, Wis. ton. 7.00 - —
Sherwood, Wis. ton. 7.50 - —
Springfield, Mo. ton. 7.00 - —
Woodville, Ohio ton. 7.00 - —
hydrated, paper bags, f.o.b. Bellefonte, Pa. ton. 8.50 - —
Berkley, W. Va. ton. 9.00 - —
Buffalo ton.10.00 - —
California, northern ton.15.30 - —
southern ton.13.95 - —
Cedar Hollow, Pa. ton. 8.50 - —
Chicago ton. 9.50 - —
Crab Orchard, Tenn. ton. 9.00 - —
Dallas, Tex. ton.12.00 - —
Durbin, Ohio ton. 8.00 - —
Eagle Mountain, Va. ton. 8.50 - —
Easton, La. ton. 9.00 - —
Farnams, Mass. ton. 9.00 - —
Gibsonburg, Ohio ton. 8.50 - —
Hannibal, Mo. ton. 8.50 - —
Keystone, Ala. ton. 9.00 - —
Knoxville, Tenn. ton. 9.00 - —
Limedale, Ark. ton. 9.00 - —
Longview, Ala. ton. 9.00 - —
Louisville, Ky. ton.14.50 - —
Marble Cliff, Ohio ton. 8.00 - —
Marblehead, Ohio ton. 9.00 - —
Martinsburg, W. Va. ton. 8.50 - —
Milltown, Ind. ton.12.50 - —
Mitchell, Ind. ton. 9.00 - —
Newala, Ala. ton. 9.00 - —
Pelham, Ala. ton. 9.00 - —
Potoskey, Mich. ton. 9.00 - —
Port Island, Mich. ton. 9.00 - —
Rapid City, S. D. ton.12.00 - —
Ripplemead, Va. ton. 8.00 - —
Riverton, Va. ton. 9.00 - —
Scioto, Ohio ton. 8.00 - —
Sherwood, Wis. ton. 9.00 - —
Siluria, Ala. ton. 9.00 - —
Springfield, Mo. ton. 9.00 - —
Woodville, Ohio ton. 8.50 - —
spray, paper bgs., f.o.b., Bellefonte, Pa. ton. 9.00 - —
Durbin, Ohio ton. 9.00 - —
Farnams, Mass. ton. 9.00 - —
Gibsonberg, Ohio ton.11.00 - —
Marble Cliff, Ohio ton.11.00 - —
Marblehead, Ohio ton.11.00 - —
Mitchell, Ind. ton. 9.00 - —
Scioto, Ohio ton. 9.00 - —
Sherwood, Wis. ton. 9.00 - —
Woodville, Ohio ton.11.00 - —
Lime salts (see Calcium)
Lime-sulphur, dry, dealers, bgs., c.l., E. of and incl. N. Dak., S. Dak., Neb., Kan., Okla., Tex. lb. .07½- .08½
dms., same basis lb. .10½- —
400 lbs., or more, bgs., same basis lb. .07¾- .08¾
dms., same basis lb. .11 - —
less than 400 lbs., same basis, lb. .08½- .09½
dms., same basis lb. .12 - —
solution, zone 1, dms., consumer, gal. .16 - —
Zone 2, tanks, dealers, wks., gal. .08½- —
30-50 dms gal. .11 - .15
Zone 3, tanks, dealers, dlvd., gal. .11¼- —
30-50 dms gal. .14 - .18
Zone 4, tanks, dealers, wks., gal. .08 - —
dms., c.l. and l.c.l. gal. .13 - .14
Zone 5, tanks, dealers, dlvd., gal. .10¾- —
c.l. and l.c.l. gal. .13 - .14
Zone 6, tanks, dealers gal. .07¼- —
30-50 dms gal. .09 - .13

Prices for lime sulphur solution are f.o.b. warehouse points, freight allowed. Zone 1 includes Ga., S. C., Ala., N. C., except the counties of Ashe, Surry, Stokes, Rockingham and Alleghany; Tenn., east of Tenn. River. Zone 2: New England States. Zone 3: Ark., Ohio, Ind., Ill., Ia., Ky., Mich., Wis., Minn., Mo., and Tenn., west of Tenn. River; Penna., eastern tier, and W. Va., western tier. Zone 4: West of Rocky Mountains, except southern California, which makes up Zone 5. Zone 6: N. Y. east of Herkimer, N. J., Md., Del., Va., Pa.—all counties lying east of the western boundary of Bedford, Blair, Center, Clinton and Potter, W. Va.—counties of Mineral, Hampshire, Morgan, Berkeley, Jefferson, and Hardy, N. C.—counties of Ashe, Alleghany, Surry, Stokes, and Rockingham.

Linalool, cns. lb. 2.10 - 6.30
Linalyl acetate, cns., 25 lbs. lb. 1.35 - 2.25
Linden flowers, with leaves, bls. lb. .19 - .20
without leaves, bls. lb. .16 - .17
Linseed cake, bgs., export ton.29.50 - —
Meal, 32%, dom., bgs. ton.40.50 - —

Litharge, com'l, powd., bbls., 20-tons dlvd. Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash. lb. .0625- —
dlvd., other points lb. .0600- —
5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash. lb. .06¾- —
Ariz., Idaho, Nev., Utah, and E. of Cascade Mts. in Ore. and Wash. lb. .07¼- —
Colo., Mont., N. Mex., Wyo. lb. .07 - —
other points lb. .06½- —
smaller lots, dlvd. Ala., etc. lb. .07¼- —
Ariz., etc. lb. .07¾- —
Colo., etc. lb. .07½- —
other points lb. .07 - —
Lithium bromide, bbls., 100 lbs., works, frt. equal'd. lb. 1.90 - —
50 lbs., works lb. 1.93 - —
25 lbs., works lb. 1.95 - —
Carbonate, 250-lb. bbls. lb. 1.25 - —
100-lb. kgs. lb. 1.30 - —
Chloride, 25-lb. jars lb. 1.65 - 1.70
Citrate, 250-lb. bbls. lb. 1.40 - —
25-lb. dms. lb. 1.45 - —
100-lb. kgs. lb. 1.40 - —
Iodide, 5-lb. bots. lb. 4.85 - —
25-lb. jars lb. 4.70 - —
Fluoride, bbls. lb. 2.10 - 2.25
Lithopone, dom., high-strength, bgs., 20 tons, dlvd. E or ex whse. Pac Cst. lb. .05¾- —
smaller lots, same basis lb. .06½- —
Lithopone, dom., high-strength, bbls., 20 tons, same basis, lb. .06½- —
smaller lots, same basis lb. .06¾- —
ordinary, bgs., 20 tons, same basis lb. .04¾- —
smaller lots, same basis lb. .04½- —
bbls., 20 tons, same basis, lb. .04¾- —
smaller lots, same basis lb. .04¾- —
titanated, bgs., 20 tons, same basis lb. .05¾- —
smaller lots, same basis lb. .06½- —
bbls., 20 tons, same basis, lb. .06¼- —
smaller lots, same basis lb. .06¾- —
Liverwort leaves, bls. lb. .18 - .22
Lobelia herb, bls. lb. .13 - .14
seed, bgs. lb. .35 - .36
Logwood extract, cryst., bbls. lb. .18 - .24
liquid, 51°, bbls. lb. .09½- .11½
solid, bxs. lb. .15 - .19
Lovage root, dom., bls. lb. .55 - .65
import, bls. lb. .35 - .37
Lupulin, N.E., tins lb. 1.50 - 1.75
Lycopodium, cs. lb. 1.15 - 1.20

M

Mace, Banda, cs. lb. .54 - .54½
Batavia, cs. lb. .46½- .47
Siauw, 1, cs. lb. .51 - .52
Madder, Dutch, bbls. lb. .22 - .25
Magnesia arsenate, cyl. lb. .18 - .20
Calcined, tech., heavy, bbls., f.o.b. Plymouth Meeting, Pa., frt. alld. to Balto., Bost., N. Y., Phila. lb. .25 - .30
1-lb. pkgs., same basis lb. .35 - .40

Lead Resinate—Magnesia

Magnesia, calcined, tech., light, bbls., same basis lb. .20 - .25
light, obls., same basis lb. .20 - .25
1-lb. tins, same basis lb. .30 - .35
USP, heavy, bbls., same basis, lb. .25 - .30
1-lb. pkgs., same basis lb. .35 - .40
special, bbls., same basis, lb. .22 - .27
Standard light, bbls., same basis lb. .20 - .25
1-lb. tins, same basis lb. .30 - .35
import, heavy, pharm., bbls., lb. .50 - —
light, extra, bbls lb. .36 - .40
standard, bbls lb. .30 - —
Carbonate, tech., Zone 1, bgs., c.l. lb. .06¼- —
l.c.l. lb. .07 - —
bbls., c.l. lb. .07¼- —
l.c.l. lb. .08 - —
kgs., c.l. lb. .08¾- —
l.c.l. lb. .09½- —
USP, Zone 1, bbls., c.l. lb. .08¼- —
l.c.l. lb. .09 - —
kgs., c,l. lb. .09¾- —
l.c.l. lb. .10½- —
Magnesia carbonate:—Zone 1—Mass., Conn., R. I., N. Y., N. J., Pa., Del., and Md. C.l. shipm'ts, full fr't alld. up to, but not exceeding 25c. per 100 lbs., actually paid by customers. On l.c.l. shipm'ts, frt. alld., including dlvd. store-door.
Chloride, flake, dom., bbls., works ton.39.00 -42.00
Hypophosphite, cns., 100 lbs. lb. 1.45 - —
25 lbs. lb. 1.50 - —
Oxide (see Calcined).
Palmitate, bbls lb. .33 Nom.
Peroxide, 15%, dms., works lb. 1.00 - 1.85
Silicate (see Talc).

PROPERLY formulated lithopone exterior paints exhibit the best combination of durability and tint retention so far developed in exterior finishes.

Paints formulated to give freer chalking naturally show greater resistance to checking and cracking failure, but their tint retention is poorer.

Paints formulated to give minimum chalking collect and hold dirt, resist fading somewhat better, but are susceptible to disagreeable checking and cracking failure.

"Ponolith" LR in "Formula K" has demonstrated its value to many paint makers. You, too, can take advantage of this tried and proved method of producing excellent exterior paints.

"Ponolith" LR should be a standard item in your pigment stock. It is an all-utility lithopone suitable for many of your formulas. It has medium consistency, great whitening power in dark vehicles for air dry or baked finishes, fine texture and is easy to grind.

Our technical representatives will be glad to assist in solving your problems on either white pigments or colors.

WHITE PIGMENTS AND KREBS PIGMENTS CHEMICAL DRY COLORS

KREBS PIGMENT & COLOR CORP . . . . 1007 Orange Street, Wilmington, Del.

Magnesia Silico.—Oil, Hemlock

Magnesia, silicofluoride, bbls.	lb.	.09½-	.10½
Stearate, bbls., ctns., c.l.	lb.	.21 -	—
c.l.	lb.	.21 -	—
1 ton	lb.	.23 -	—
1,000-2,000 lbs.	lb.	.23 -	—
smaller lots	lb.	.24 -	—
Sulphate (see Epsom salt).			
Magnesite, cal., dom., bgs.	ton.	56.00	-60.00
Magnesite, cal., import, bbls.	ton.	60.00	-65.00
dead-burned, dom., bulk, c.l., f.o.b, Chewelah, Wash.	ton.	25.00	- —
Magnesium hydroxide, medicinal, bbls., 300 lbs.	lb.	.29 -	—
dms., 24 lbs.	lb.	.30 -	—
kgs., 100 lbs.	lb.	.34 -	—
Malva flowers, black, bls.	lb.	.45 -	.47
blue, bls.	lb.	.45 -	.50
Leaves, bls.	lb.	.11 -	.12
Manaca root, bls.	lb.	.20 -	.21
Mandrake root, bls.	lb.	.17 -	.18
Manganese acetate, dms.	lb.	.26½-	—
Arsenate, bgs.	lb.	.12 -	.12½
Borate, tech., bbls.	lb.	.15 -	.16
Carbonate, bbls	lb.	.19 -	—
Chloride, bbls.	lb.	.07½-	.07¾
Dioxide, Caucasian, 85-90%, bbls., c.l., works.	ton.	66.50	- —
l.c.l., 5 tons, works.	ton.	69.50	- —
smaller lots, works.	ton.	74.50	- —
burlap bgs., c.l., works.	ton.	64.50	- —
l.c.l., 5 tons, works.	ton.	67.50	- —
smaller lots, works.	ton,	72.50	- —
paper bgs., c.l., works.	ton.	62.50	- —
l.c.l., 5 tons, works.	ton.	65.50	- —
84-87% bgs., 28-40 tons, wks.	ton.	57.00	- —
5-15 tons, wks.	ton.	60.00	- —
¼-4 tons, wks.	ton.	65.00	- —
300-600 lbs., wks.	ton.	75.00	- —
Glycerophosphate, bbls., kgs., 1,000-lb. lots.	lb.	2.61	- —
smaller lots	lb.	2.71	- —
cns., 25 lbs	lb.	2.85	- —
solut., djns., 1,000-lb. lots,	lb.	.61	- —
smaller lots	lb.	.71	- —
cns., 25 lbs	lb.	.81	- —
Hydrate, bbls., divd.	lb.	.32	- —
Iodide, bots., 5 lbs.	lb.	5.25	- —
jars, 25 lbs	lb.	5.10	- —
Linoleate, liquid, 4%, dms.	lb.	.18 -	.19½
solid, precip., 8.2%, bbls.	lb.	.19 -	—
Ore, 50-52%, basis, bbls., c.l., Atl. ports.	unit-ton.	.45 -	.47
Resinate, fused, 3½%, bbls.	lb.	.08¾-	.09½
precip., dms.	lb.	.12 -	—
Sulphate, anhyd., bbls., works.	lb.	.07 -	.07½
cryst., 65% $MnSO_4$, bgs., c.l., dlvd. South.	ton.	48.75	- —
l.c.l., bgs.	ton.	55.75	- —
80-85%, bgs., c.l., works, frt. alld. to S.F.A. territory	unit-ton.	.75 -	—
l.c.l., 5 tons, works.	lb.	.03½-	—
smaller lots, works.	lb.	.04 -	—
Mangrove bark, bgs., shpt.	ton,	25.00	- —
Manna flake, large, cs.	lb.	.40 -	.41
small, cs.	lb.	.22 -	.23
Mannitol, pure, cryst., cs., works.	lb.	1.40 -	—
Marble flour, bgs.	ton.	12.00	-14.00
Marjoram, French, bbls.	lb.	.16½-	.17
Tunisan, bls.	lb.	.16 -	.16½
Matico leaves, bls.	lb.	.24 -	.25
Menthol, USP, natural, cs.	lb.	3.00 -	3.10
synthetic, tech., cs.	lb.	2.25 -	—
USP, cs.	lb.	3.00 -	—
liquid, dms., 40 lbs.	lb.	1.60 -	—
Menthyl salicylate, tins, 100-lb. lots.	lb.	3.00 -	—
25-lb. lots	lb.	3.10 -	—
Mercurial ointment, 30%, pails, 50 lbs.	lb.	.77 -	—
25 lbs.	lb.	.79 -	—
50%, pails, 50 lbs.	lb.	1.11 -	—
25 lbs.	lb.	1.13 -	—

Mercury (see Quicksilver).

Bichloride (see Corrosive sublimate).			
Bisulphate, bots., 5 lbs.	lb.	1.81 -	—
fib., dms., 100 lbs.	lb.	1.68 -	—
jars, 25 lbs.	lb.	1.70 -	—
Chloride (see Calomel).			
Iodide, red, N. F., bots., 5 lbs.,	lb.	3.56 -	—
cns., 25 lbs.	lb.	3.45 -	—
fib., dms., 100 lbs.	lb.	3.45 -	—
yellow, bots., 5 lbs.	lb.	3.66 -	—
cns., 25 lbs.	lb.	3.55 -	—
fib., dms., 100 lbs.	lb.	3.55 -	—
Nitrate ointment (see Citrine ointment).			
Oxide red, N.F. (see Red precipitate).			
tech. (See Red, mercury oxide).			
Yellow, dom., tech., bbl.	lb.	1.12 -	—
USP, fib. dms., 50 lbs. or more.	lb.	1.64 -	—
Mercury and chalk, ctns., 5 lbs.,	lb.	1.22 -	—
fib., dms., 25 lbs.	lb.	1.10 -	1.12
Mesityl oxide, cns., works.	lb.	.25½-	.27½
dms., c.l., works.	lb.	.21 -	—
l.c.l., works.	lb.	.21½-	—
tanks, works.	lb.	.20 -	—
Metal leaf, pkgs. of 20 books (500 leaves), aluminum, 5½x5½ in.	pkg.	1.50 -	1.75
composition, 5½x5½ in.	pkg.	1.70 -	1.80
Gold, XX deep, 23K, 3⅜x3⅜ in.	pkg.	15.25	-15.75
3⅜x3⅜ in.	pkg.	16.15	-17.50
4x4 in.	pkg.	19.50	-20.00
3⅜x5½ in.	pkg.	22.50	-23.00
3⅜x5½ in.	pkg.	24.50	-25.00
Silver, 3⅜x3⅜ in.	pkg.	2.75 -	2.85
Metanitroaniliin, kgs.	lb.	.67	Nom.
Metanitroparatoluidin, bbls.	lb.	1.45 -	—
Metaphenylenediamine, kgs.	lb.	.80 -	—
Metatoluylenedaimine, kgs.	lb.	.65 -	—
Methanol, denat. grade, dms., c.l., frt. allds., E. of Rockies.	gal.	.34 -	—
tanks, frt. allds., E. of Rockies.	gal.	.28 -	—

Methanol, denat., grade, prices on Pacific Coast are 4c. per gal. higher.

pure, nat'l or synth., dms., c.l., Zone 1, frt. all.	gal.	.38 -	—
2, frt. alld.	gal.	.41 -	—
3, frt. alld.	gal.	.42 -	—
4, frt. alld.	gal.	.44 -	—
l.c.l., Zone 1, frt. alld. or dlvd.	gal.	.40½-	—
2, frt. alld. or dlvd.	gal.	.47 -	—
3, frt. alld. or dlvd.	gal.	.44½-	—
4, frt. alld. or dlvd.	gal.	.60 -	—
tanks, Zone 1, frt. alld.	gal.	.33 -	—
2, frt. alld.	gal.	.35½-	—
3, frt. alld.	gal.	.36½-	—
4, frt. alld.	gal.	.37 -	—

95%, 2c. less than pure, all zones, frt. alld.
97%, 1c. less than pure, all zones, frt allds.

Methanol sales zones are:—Zone 1, Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., Tenn., Vt., Va., W. Va., Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo.; Zone 3, Los Angeles, Cal., San Francisco, Cal., Portland, Ore., and Seattle, Wash.; Zone 4, Ariz., Cal., N. Mex., Mont., Nev., Idaho, Ore., Utah, Wash.

Methyl acetate, 97-99%, dms., c.l., E. of Miss. R.	lb.	.08 -	—
W. of Miss. R.	lb.	.09 -	—
l.c.l., dms., dlvd. E. of Miss. R.	lb.	.08½-	—
W. of Miss. R.	lb.	.09½-	—
tanks, dlvd. E. of Miss. R.	lb.	.07 -	—
W. of Miss. R.	lb.	.08 -	—
tech, dms., c.l., dlvd. E. of Miss. R.	lb.	.07½-	—
W. of Miss. R.	lb.	.08½-	—
l.c.l., dms., dlvd. E. of Miss. R.	lb.	.08 -	—
W. of Miss. R.	lb.	.09 -	—
tanks, dlvd. E. of Miss. R.	lb.	.06½-	—
W. of Miss. R.	lb.	.07½-	—
Acetoacetate, dms., c.l., works, frt. allds.	lb.	.29½-	—
Methyl acetone, nat., dms., c.l., contracts, Zone 1.	gal.	.31½-	—
2	gal.	.34½-	—
3	gal.	.35½-	—
4	gal.	.37½-	—
tanks, contracts, Zone 1.	gal.	.26½-	—
2	gal.	.29 -	—
3	gal.	.30 -	—
4	gal.	.30½-	—

Methyl acetone, natural, prices are quoted for direct shipment from refinery, f.o.b. shipping point, freight allowed to destination; barrel packing, 2½c. per gal. more in all brackets. The sale zones are:—Zone 1, Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., Tenn., Vt., Va., W. Va., Wis., Ala., Ark., Ga., Kans., La., Miss., Neb., N. D., S. C., S. D.; Zone 2, Col., Fla., Okla., Tex., Wyo.: Zone 3, Los Angeles, Cal., San Francisco, Cal; Portland, Ore., and Seattle, Wash.; Zone 4, Ariz., Cal., N. Mex., Mont., Nev., Idaho, Ore., Utah, Wash.

Acetone, synthetic, dms., c.l., Zone 1, frt. alld. E. of Rockies.	gal.	.42 -	—
2, frt. alld. E. of Rockies,	gal.	.45 -	—
3, Pacific Coast.	gal.	.46 -	—
l.c.l., Zone 1, frt. alld, E. of Rockies.	gal.	.44½-	—
2, frt., allds. E. of Rockies.	gal.	.51 -	—
3, Pacific Coast.	gal.	.48½-	—
tanks, Zone 1, frt. allds. E. of Rockies.	gal.	.36 -	—
2, ft. allds. E. of Rockies,	gal.	.38½-	—
3, Pacific Coast.	gal.	.39½-	—

Methyl acetone, synthetic, sales zones are:—Zone 1, Conn., Dela., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., West Va. and Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C. and S. D.; Zone 3, Pacific Coast

Alcohol (see Methanol).			
Anthranilate, bots.	lb.	2.10 -	2.30
Benzoate, cns., 25 lbs.	lb.	.70 -	1.20
Bromide, cyl.	lb.	.60 -	.75
Chloride, refrigeration, 500 lbs. and up, machine mfrs. and jobbers, cylinders.	lb.	.32 -	—
service men and consumers, cyl.	lb.	.36 -	—
60 to 499 lbs., cyl., mach. mfrs. and jobbers.	lb.	.36 -	—
service men and consumers, cyl.	lb.	.40 -	—
tanks, multi-unit, mach. mfrs. and jobbers.	lb.	.31 -	—
service men and consumers,	lb.	.35 -	—

Methyl chloride quotations are spot or contract, effective July 1, for delivery to any common carrier point in United States. Prices above are in 60, 90 and 130-lb. cylinders. Prices on the 20-lb. cylinders are uniformly 10c. per pound higher than above prices.

Cinnamate, bots.	lb.	2.45 -	3.75
Formate, dms.	lb.	.35 -	.36
Iodide, bots.	lb.	3.68 -	3.83
Salicylate, dms.	lb.	.40 -	.42
cns.	lb.	.42 -	.45
Violet toner, bbls.	lb.	.28 -	—
permanent, bbls.	lb.	.80 -	—
Methylbutyl ketone, dms., c.l., frt. pd. E. of Rocky Mts.	lb.	.11½-	—
l.c.l., same terms.	lb.	.12 -	—
tanks, same terms.	lb.	.10½-	—
Methylene blue, medci., kgs., 100 lbs.	lb.	2.00 -	—
cns., 5 lbs.	lb.	2.35 -	—
Chloride, dms., f.o.b. works.	lb.	.19 -	.22
Methylheptenone, bots.	lb.	2.45 -	3.00
Methylheptin carbonate, bots.	lb.	23.00	-44.00
Methylhexyl ketone, dms., tech., wks.	lb.	.60 -	—
Methylisobutyl ketone, dms., 55-gal., c.l., works.	gal.	.76 -	—
l.c.l., works.	gal.	.80 -	—
smaller containers, works.	gal.	1.00 -	—
tanks, works.	gal.	.70 -	—
Methylnaphtyl ketone, dom., cryst., bots.	lb.	3.25 -	3.30
imp, bots.	lb.	3.10 -	—
Methylpropyl carbinol (see Carbinol).			
Ketone, dms., c.l.	lb.	.16 -	—
l.c.l.	lb.	.20 -	—
tanks	lb.	.15 -	—
Metronite pigment, 120 mesh, containers, extra, c.l., f.o.b. Milwaukee.	ton.	9.00 -	—
l.c.l., same basis.	ton.	11.00 -	—
180 mesh, containers extra, c.l., same basis.	ton.	11.00 -	—
l.c.l., same basis.	ton.	13.00 -	—
250 mesh, containers, extra, c.l., same basis.	ton.	13.00 -	—
l.c.l., same basis.	ton.	15.00 -	—
325 mesh, containers extra, c.l., same basis.	ton.	18.00 -	—
l.c.l., same basis.	ton.	20.00 -	—
Mica, dry-grd., plastic, No. 100, 40 mesh, bgs., c.l., works.	ton.	35.00 -	—
l.c.l. works.	ton.	43.75 -	—
second grade, bgs., c.l., works.	ton.	33.00 -	—
l.c.l., works.	ton.	41.25 -	—
250, 100 mesh, bgs., c.l., works.	ton.	40.00	-50.00
l.c.l., works.	ton.	50.00	-60.00
second grade, bgs., c.l., works.	ton.	28.90	-30.00
l.c.l., works.	ton.	29.90	-47.50
300, 140 mesh, bgs., c.l., works.	ton.	50.00	- —
l.c.l., works.	ton.	62.50	- —
roofing, bgs., c.l., works.	ton.	23.50	-30.00
l.c.l., works.	ton.	30.00	-37.50
wet-ground, paint or lacquer, bgs., c.l., dlvd. E.	lb.	.04¼-	—
l.c.l., 1,000 lbs., dlvd. E.	lb.	.04¾-	—
smaller lots, dlvd. E.	lb.	.05¼-	—
paper, wall or enated bgs., c.l., frt. allds., E.	lb.	.04½-	—
l.c.l., 1,000 lbs., frt. all., E.	lb.	.04¾-	—
smaller lots, frt. allds., E.	lb.	.05½-	—
rubber, bgs., c.l., frt. allds. E.	lb.	.04 -	—
l.c.l., 1,000 lbs., ft., allds., E.	lb.	.04½-	—
smaller lots, frt. allds., E.	lb.	.05 -	—

wet-ground mica prices are ½c. per pound higher on Pacific Coast

Milk powder, skimmed, roller, bbls., c.l.	lb.	.08 -	—
l.c.l.	lb.	.09 -	—
spray, bbls., c.l.	lb.	.09 -	—
l.c.l.	lb.	.10 -	—
unskimmed, roller, bbls., c.l.	lb.	.20 -	—
l.c.l.	lb.	.20½-	—
spray, bbls., c.l.	lb.	.20 -	—
l.c.l.	lb.	.20½-	—
Millet seed, yellow, bgs.	lb.	.03 -	.03¾
hulled, bgs.	lb.	.05½-	.06
Mineral spirits (see Petroleum thinner and V M & P, naphtha).			
Molasses, blackstrap, tanks.	gal.	.07 -	—
New Orleans.	gal.	.06½-	—
Molybdate orange (see Orange, molybdate).			
Molybdenum metal, kgs., 99% powd.	lb.	2.60 -	3.00
Monoamylamine, dms., c.l., wks.	lb.	.52 -	—
l.c.l., works.	lb.	.55 -	—
Monobutylamine dms., l.c.l., works.	lb.	.65 -	—
Monochlorobenzene, dms.	lb.	.06 -	.06½
Monoethanolamine, dms., c.l., works.	lb.	.24 -	—
l.c.l., dms.	lb.	.25 -	—
tanks	lb.	.23 -	—
Monoethylaniliin, dms.	lb.	.77	Nom.
Monomethylpara-aminophenol sulphate, dms.	lb.	3.75 -	4.00
Morphine, bots., 5 ozs.	oz.	11.10 -	—
cns., 25 ozs.	oz.	10.90 -	—
Acetate, bots., 5 ozs.	oz.	9.00 -	—
cns., 25 ozs.	oz.	8.80 -	—
Ethylhydrochloride, bots, 5 ozs.,	oz.	10.75 -	—
cns., 25 ozs.	oz.	10.55 -	—
Hydrobromide, bots., 5 ozs.	oz.	8.95 -	—
cns., 25 ozs.	oz.	8.75 -	—
Sulphate, bots., 5 ozs.	oz.	9.00 -	—
cns., 25 ozs.	oz.	8.80 -	—
Morpholine, dms., 55 gal., l.c.l., works.	lb.	.75 -	—
smaller containers, works.	lb.	1.00 -	—
Mullein flowers, cns.	lb.	.80 -	.85
Leaves, bls.	lb.	.07 -	.08
Musk, nat., Tonquin, grained.	bots. oz.	21.00	-22.00
pods, caddies, 20 ozs.	oz.	19.00	-21.00
synth., ambrette, cns., 100 lbs., or more.	lb.	3.25 -	—
5 lbs. to 75 lbs.	lb.	3.50 -	—
1 lb.	lb.	3.65 -	—
ketone, cns., 100 lbs. or more,	lb.	3.40 -	—
5 lbs. to 75 lbs.	lb.	3.65 -	—
1 lb.	lb.	3.80 -	—
Musk, synth., xylol, cns., 100 lbs. or more.	lb.	1.00 -	—
5 lbs. to 75 lbs.	lb.	1.10 -	—
1 lb.	lb.	1.25 -	—
Musk root, bls.	lb.	.12 -	.13
Mustard seed, Bombay, brown, bgs.	lb.	.05¼-	.05¾
California, brown, bgs.	lb.	.07½-	.07½
yellow, bgs.	lb.	No stocks.	
Chinese, yellow, bgs.	lb.	.05¾-	.06¼
Danish, yellow, bgs.	lb.	.07¼-	.08
Dutch, yellow, bgs.	lb.	.07¾-	.08
English, yellow, bgs.	lb.	.08⅜-	.09
Hungarian, yellow, bgs.	lb.	.07¾-	.08¼
Roumanian, yellow, bgs.	lb.	.05¾-	.06
Myrobalans, J1, bgs., shipt.	ton.	28.50	- —
J2, bgs., shipt.	ton.	20.50	- —
R2, bgs., shipt.	ton.	20.50	- —
Extract, liquid, 25%, bbls.	lb.	.03¾-	.05¼
solid, 50% bbls.	lb.	.04¾-	—
powdered, 70% bbls.	lb.	.05¾-	—

N

Naphtha, Painters' (see Petroleum naphtha, V. M. & P.).			
Solvent (see S).			
Naphthalene, crude, dom., 74 deg., bgs., bbls., wks.,	100 lbs.	2.35 -	2.85
78 deb., bgs., bbls., wks.,	100 lbs.	2.75 -	3.35
import, bgs., Atl. ports,	100 lbs.	1.90 -	2.15
refined, balls or flakes, bbls., wholesalers and jobbers, f.o.b. works.	lb.	.06¾-	—
50-lb. cs., same basis.	lb.	.07 -	—
pkgs. (16 oz.), same basis,	lb.	.07½-	—
(12 oz.) same basis.	pkg.	.06 -	—
chipped, crushed, bbls., same basis.	lb.	.06½-	—
rice, cryst., powd., bbls., same basis.	lb.	.06¾-	—
Nerolin, cryst., cns.	lb.	1.25 -	1.35
Nickel carbonate, bbls	lb.	.36 -	.37½
Chloride, bbls.	lb.	.18 -	.20
Oxide, black, bbls.	lb.	.35 -	.38
Salt, bbls.	lb.	.13 -	.13½
Nicotine sulphate, 40%, dms., works, frt. allds.	lb.	.70 -	—
10-lb. tins	lb.	.86½-	—
Nitreake, bulk, works.	ton.	16.00	- —
Nitrobenzene, dbl. dist., dms., c.l., bbls.	lb.	.08 -	—
l.c.l.	lb.	.09 -	—
tanks	lb.	.07¼-	—
Nitrocellulose, alcohol-soluble, ¼, and 40, sec. vis., bbls., works.	lb.	.28 -	—
bronzing, 20, 40, 70 sec. vis., bbls., works.	lb.	.29 -	—
ester-soluble, ¼, ½, 5-6, 15-20 sec., bbls., c.l., dry weight, works.	lb.	.22 -	—
l.c.l., ¼, ½, 5-6, 15-20 and higher vis., bbls.,	lb.	.26 -	—
lacquer, 20-30 and 60-80 sec. vis., bbls., works.	lb.	.29 -	—

Nitrocellulose prices are quoted on the basis of dry weight; denatured alcohol used in manufacture is charged extra. Barrels are to be paid for extra, but are returnable.

Nitrogen solution, 45½% ammon., tanks, f.o.b. Atlantic and Gulf ports.	unit-ton.	1.04 -	—
Nitrogenous fertilizer material, 8-11% ammon., dom., bulk, f.o.b. Carrollville, Wis., dlvd.	unit-ton.	2.25	Nom.
Chemical, Ill.	unit-ton.	2.40	Nom.
East Coast producing points.	unit-ton.	2.60	Nom.
import, bgs., c.i.f. Atlantic ports, shipt.	unit-ton.	2.40 -	—
Nitronaphthalene, bbls.	lb.	.24 -	.26
Nitrotoluene, mixed, dms.	lb.	.10¼-	.11
Nutgalls, Aleppo, bgs., cs.	lb.	No prices	
Chinese, shipt., cs.	lb.	No prices	
Extract (see Gall extract).			
Nutmegs, 80s, bgs, cs.	lb.	.49 -	.50
110s, bgs, cs.	lb.	.19 -	.19½
West Indian, bgs.	lb.	.11 -	.11¼
Nux vomica, bls.	lb.	.03¾-	.04
powd., bbls., bxs.	lb.	.06 -	.07

O

Oakbark extract, 25% tan., bbls., c.l., works.	lb.	.03½-	—
l.c.l., bbls., works.	lb.	.03¾-	—
Ocher (see Yellow).			
Octanes, 100-140° C., mixed, dms., c.l., G.S.	gal.	.12½-	—
l.c.l., G.S.	gal.	.17 -	—
tanks, G.S.	gal.	.10½-	—
Octyl acetate, dms., c.l., works.	lb.	.16 -	—
l.c.l., works.	lb.	.17 -	—
tanks, works.	lb.	.15 -	—
Oil, almond, bitter, artif. (see Benzaldehyde). natural, bots.	lb.	2.00 -	2.50
s.p.a., bots.	lb.	2.05 -	2.75
sweet, true, exp., cns.	lb.	.65 -	.68
Amber, crude, cns.	lb.	.16 -	.17
ref'd, cns.	lb.	.50 -	.51
Amyris, cns.	lb.	3.00 -	3.25
Angelica root, bots.	lb.	61.25	-100.00
seed, bots.	lb.	70.00	-80.00
Anilin (see A).			
Anise, USP, cns, dms.	lb.	.85 -	.95
Apricot kernel, cns.	lb.	.28 -	.32
Babassu, tanks	lb.	.06½	Nom.
Bay, W. I., cns.	lb.	1.35 -	1.50
Bergamot, artif., cns.	lb.	1.25 -	1.30
natural, coppers	lb.	3.85 -	4.00
Betula (see Oil, sweet birch).			
Birch (see Oil, sweet birch).			
Birch tar, crude, dms.	lb.	.14 -	.17
rectif'd, cns.	lb.	.65 -	.70
Bois de rose, Brazil, cns.	lb.	1.55 -	1.60
Cayenne, cns.	lb.	1.50 -	1.75
Cade, USP IX (see Oil, juniper tar)			
Cajeput, tech., dms.	lb.	.47 -	.55
USP IX, cns.	lb.	.50 -	.66
Calamus, cns.	lb.	3.75 -	4.00
Camphor, sassafrassy, cns.	lb.	.19 -	.20
dms.	lb.	.17 -	.18
white, cns.	lb.	.20 -	.21
dms.	lb.	.17 -	.18
Cananga, native, cns.	lb.	1.40 -	1.45
rectified, cns.	lb.	2.00 -	2.05
Capsicum (oleoresin), USP X, cns.	lb.	1.90 -	2.00
Caraway, USP, cns.	lb.	1.90 -	2.00
Cardamom, bots.	lb.	15.00	-33.00
Cassia, USP, cns, dms.	lb.	1.00 -	1.05
Castor, blown, one-way dms., c.l.	lb.	.11¼-	—
l.c.l.	lb.	.12 -	—
medicinal, bbls., c.l.	lb.	.09¾-	—
l.c.l.	lb.	.10¼-	—
cns. (1-gal.), l.c.l.	lb.	.13½-	—
dms. (returnable), c.l.	lb.	.09½-	—
l.c.l.	lb.	.10¼-	—
(5-gal.), l.c.l.	lb.	.11½-	—
tanks	lb.	.09 -	—
No. 3, bbls., c.l.	lb.	.09¼-	—
l.c.l.	lb.	.10 -	—
dms. (returnable), c.l.	lb.	.09 -	—
l.c.l.	lb.	.09¾-	—
tanks	lb.	.08½-	—

Castor oil, med. and No. 3, prices are dlvd. all points between N. Y. and Philadelphia, Albany, and N. E. States; Chicago c.l. prices ¾c. higher than N. Y.; l.c.l. prices ¾c. higher than N. Y.; one-way dms., ¼c. higher, all points.

sulphonated, 50%, (48% fat), dms., c.l.	lb.	.06¼-	.06¾
l.c.l.	lb.	.07¼-	.08¾
75% (63% fat), dms., c.l.	lb.	.09 -	.09½
l.c.l.	lb.	.10 -	.10¼
80% (68% fat), dms., c.l.	lb.	.09½-	.10½
l.c.l.	lb.	.10¼-	.11
Cedarleaf, cns.	lb.	.75 -	.80
dms.	lb.	.72 -	.77
Cedarwood, Oregon, cns., dms.,	lb.	.28 -	.80
Southern, cns., dms.	lb.	.20 -	.23
Celery, bots.	lb.	8.75	-14.50
Chaulmoogra, USP, cns., 500 lbs.	lb.	.90 -	—
25 lbs.	lb.	1.00 -	—
Chinawood, dms.	lb.	.12½-	.12¾
tanks	lb.	.1160-	.1180
Cinnamon, Ceylon, bots.	lb.	8.00	-22.00
Seychelle, bots.	lb.	6.50 -	7.50
Citronella, Ceylon, cns.	lb.	.35 -	.35½
dms.	lb.	.33½-	.34
Java, dms.	lb.	.38 -	.40
Clove, makers, USP, cns.	lb.	1.02 -	—
dms.	lb.	1.00 -	—
Coconut, Manila, crude, tanks.	lb.	.03¾-	—
Pac. Cst.	lb.	.03½-	—
edible, 76°, tax incl., dms., (returnable), c.l.	lb.	.09¼-	—
l.c.l.	lb.	.09½-	—
tanks	lb.	.08½-	—
Cod, Newfoundland, tanked, bbls.	gal.	.50	Nom.
Norwegian, shipt., bbls.	gal.	.27 -	.29
Codliver, med., U.S.P., Norwegian, bbls.	bbl.	26.00	-27.00
Coriander, bots.	lb.	15.00	-19.75
Corn, crude, tanks, works.	lb.	.07 -	.07½
refd., bbls.	lb.	.09½-	.09¾
Cottonseed, dom., cooking, bbls.,	lb.	.09½-	—
salad, bbls.	lb.	.09¾-	—
import., Brazilian, semi-refd., dms.	lb.	.0475-	—
British, semi-refd. dms.	lb.	.0475-	—
Creosote (see C).			
Croton, USP, cns.	lb.	1.30 -	1.35
Cubeb, USP, cns.	lb.	2.60 -	3.00
Crude (see Petroleum, crude).			
Cumin, bots.	lb.	6.75 -	7.00
Cypress, dom., bots.	lb.	5.25 -	5.30
import., cns.	lb.	12.00	-12.25
Degras (see D).			
Diesel, Bayonne, bulk.	bbl.	1.85 -	—
California, 24 plus, bulk.	bbl.	1.45 -	1.70
Dill seed, bots.	lb.	3.00 -	3.25
weed, bots.	lb.	3.85 -	4.10
Dip (see D).			
Erigeron, cns.	lb.	2.30 -	2.40
Eucalyptus, cns.	lb.	.41 -	.43
dms.	lb.	.39 -	.41
Fennel, sweet, cns.	lb.	1.20 -	1.30
Fuel, bunker, California, tide-water.	bbl.	.90 -	1.00
Gulf Coast.	bbl.	.85 -	.90
Louisiana, Arkansas, 10-14,	bbl.	.86 -	1.00
N.Y. and N.J. terminals:— Monday	bbl.	1.05 -	—
Tuesday	bbl.	1.05 -	—
Wednesday	bbl.	1.05 -	—
Thursday	bbl.	1.05 -	—
Friday	bbl.	1.05 -	—
Saturday	bbl.	1.05 -	—
North Texas, 18-22.	bbl.	.80 -	.85
24-28, zero cold test.	bbl.	1.10 -	1.15
Oklahoma, 18-22.	bbl.	.85 -	.90
24-28, zero cold test.	bbl.	1.07½-	1.12½
24-28, 15 and above.	bbl.	.90 -	.95
Pennsylvania, 36-40.	gal.	.04 -	.04¼
Furnace, Bayonne, 1, bulk, refinery.	gal.	.06 -	—
2, bulk, same basis.	gal.	.04½-	—
4, bulk, same basis.	gal.	.04¾-	—
Louisiana - Arkansas, 32 - 36, light straw.	gal.	.03¾-	.04
Oklahoma, 28-30.	gal.	.03¼-	.03½
32-36	gal.	.03¼-	.03¾
36-38	gal.	.03⅜-	.03⅞
38-40, straw	gal.	.03⅜-	.04
38-40 zero, 60 e.p.	gal.	.03¾-	.04
Fusel (see F).			
Gas, Bayonne, bulk.	gal.	.04¾-	—
Gulf Coast, bulk.	gal.	.04¼-	.04¼
North Texas, bulk.	gal.	.02⅞-	.03
Oklahoma, bulk.	gal.	.02⅞-	.03
Gaultheria (see Oil, wintergreen leaf).			
Geranium, Algerian, rose, cns.	lb.	3.50 -	4.50
Bourbon, cns.	lb.	3.20 -	3.80
Turkish (see Palmarosa).			
Grapefruit, cns.	lb.	2.15 -	2.20
Ginger, dist., bots.	lb.	6.75 -	7.00
Guaiac wood, concrete, bots.	lb.	2.75 -	3.10
Haarlem, import., bots.	gross	3.25 -	3.35
Halibut-liver, dms. 1,000 A unit gal.		.75 -	1.00
Hemlock, cns.	lb.	1.05 -	1.10

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Prepared Monthly by the U. S. Industrial Chemical Co., Inc.

SOLVENT NEWS

Reg. U. S. Pat. Off.

MAY ★ A Monthly Series of Articles for Chemists and Executives of the Solvent-Consuming Industries ★ 1938

U.S.I. ENTERS RESIN FIELD

Acquires The Business Formerly Conducted By Robert Rauh, Inc.

Synthetic Resins — Phenolics, Alkyds, Ureas — and Ester Gums Are Recognized as Logical Additions to Present U.S.I. Line

As part of its general program of expansion in the chemical field, the U. S. Industrial Alcohol Co. as of May 1, 1938 took over the business formerly conducted by Robert Rauh, Inc., well-known manufacturer of synthetic resins.

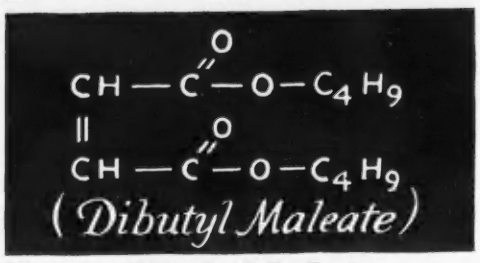
Robert Rauh, Inc., occupied a large, modern plant at Newark, N. J., where it specialized in the manufacture of a diversified line of resins, including alkyds, phenolics, ureas, ester gum, and copal esters. Well equipped laboratories were maintained for development work on new resins and on new uses for these products. All these facilities will be continued and expanded under the new ownership.

Similar Outlets

Among the principal industries served by Robert Rauh were the paint, varnish, lacquer, printing ink, linoleum, adhesives, plastics, composition floor tile, and insulating materials fields. Because these outlets are substantially those now using solvents and chemicals of the type manufactured by U.S.I., it is obvious that resins form a logical addition to this line, and place the company in a better position to serve the needs of its trade.

Expansion of the Rauh company has kept continually abreast of growth of the synthetic resin field. While the company has occupied its present plant since 1930, its history goes back to 1849 when David Rauh founded the firm abroad to make brewer's pitch. About 1912 the business was transferred to this country and a plant was opened in Newark, N. J. With the advent of Prohibition the market for brewer's pitch was curtailed and

(Continued on next page)



Tests With Maleic Acid Esters Indicate Use In Synthesis

Dimethyl, Diethyl, Dibutyl Maleates Recently Introduced by U.S.I.

NEW YORK, N. Y.—Experiments indicate that three new U.S.I. products — Dimethyl Maleate, Diethyl Maleate and Dibutyl Maleate —may be of value both as solvents and as intermediates for chemical synthesis.

These maleic acid esters are now available in limited quantities from small scale operation. Samples may be secured for experimental investigation.

Acid Is Unsaturated

Possibilities for the three esters in the field spring from the fact that their maleic acid component is of an unsaturated nature. Because of the presence of a double bond, it can be inferred that the esters are capable of undergoing the reactions characteristic of other unsaturated compounds such as addition, reduction, oxidation and polymerization. It is known, in addition, that maleates, being optical isomers, go over into fumarates under certain conditions and vice versa.

Laboratory tests demonstrate that Dibutyl Maleate has interesting properties as a solvent. The most outstanding of these is its low vapor pressure, which indicates that it may have possibilities as a solvent-plasticizer. The boiling point of Dibutyl Maleate is 123° C. at 3 mm. absolute pressure.

Dimethyl Maleate and Diethyl Maleate are also high boiling solvents with respective distillation ranges of 198°–210° C. and 218°–230° C at normal atmospheric pressure. Laboratory tests have shown that Dimethyl Maleate is an active solvent for cellulose acetate even when used with up to 50 per cent of ethyl alcohol, Solox* and the Ansols.*

*Registered trade marks of the U. S. Industrial Chemical Co., Inc.

High Wet-strength Paper

A water-absorbing paper product of high wet-strength can be produced by impregnating a highly porous paper body with a dilute solvent (acetone or ethyl acetate) solution of cellulose acetate. it is claimed in a patent recently issued. About 0.5-2.0% of the ester is used, based on the dry weight of the paper. The volatile organic solvent is removed and the cellulose acetate remains among the interstices of the paper, the patent states.

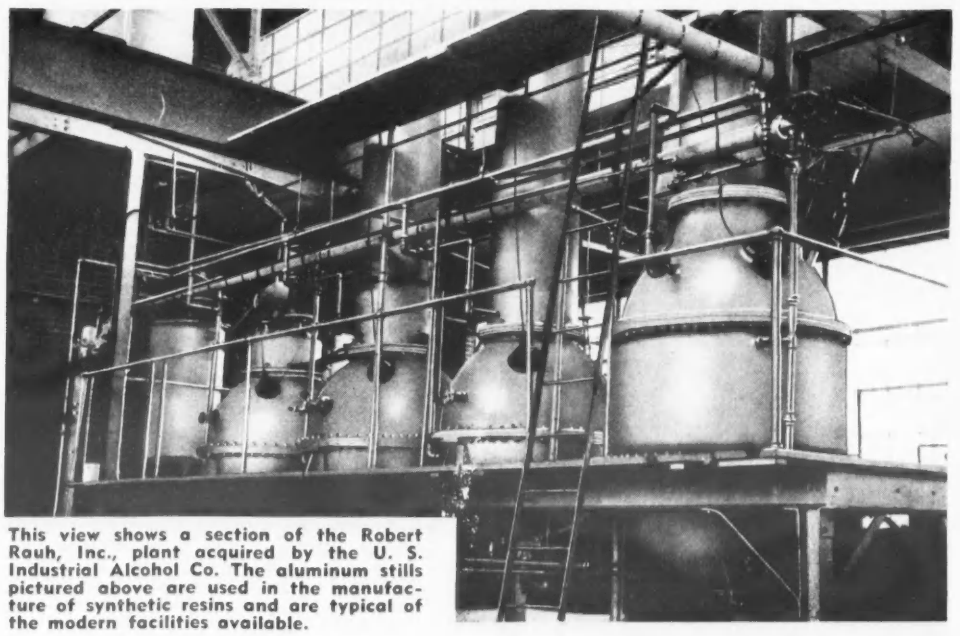
[Among the products mentioned above, U.S.I. manufactures acetone, and ethyl acetate.]

Important Notice

Restatement of Policy

The reputation of a company is based not only upon the quality of its products and the character of its services, but also upon the soundness of its policies.

Coincident with the announcement of its entrance into the synthetic resin field, it will be of interest to the paint and varnish industry as well as to the lacquer industry for U.S.I. to reiterate its intention to continue as a manufacturer of raw materials for the trade and to refrain from producing finished products in competition with its customers.



This view shows a section of the Robert Rauh, Inc., plant acquired by the U. S. Industrial Alcohol Co. The aluminum stills pictured above are used in the manufacture of synthetic resins and are typical of the modern facilities available.

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MAY ★ # SOLVENT NEWS ★ 1938

Devise Simple Test For Quality Of Castor Oil In Cotton Solutions

BALTIMORE, Md.—A simple qualitative test for distinguishing the quality of castor oil present in nitrocellulose solutions has grown out of observations by U.S.I. chemists that a black, sticky oil drips from burning films containing this substance.

In actual operation the test consists of preparing a strip (½" by 1") of test film from the solution under examination, igniting it and then noting the rate at which the black, sticky oil drips. This rate, previous experiments have shown, is always in direct proportion to the amount of castor oil present and in inverse proportion to its viscosity.

Neither dibutyl phthalate nor treated linseed oil exhibit this behavior, nor do they change the rate of drip if present in the same film with castor oil.

It is believed that this method may be applicable over a fairly wide range of conditions since tests with films of nitro-cellulose solutions formulated with seven different castor oils (raw, pale blown, and five processed grades) in amounts varying from 33% to 160% by weight of nitrocellulose yielded consistent results. The nitrocellulose used was an R.S. grade, 6, 8, 20 and 39 second viscosity.

Uses Medium Boilers In Quick-dry Printing Ink

NEW YORK, N. Y.—Use of a blend of medium-boiling lacquer solvents in the formulation of a quick-drying printing ink is described in a patent recently granted an inventor of this city. The ink is reported especially adapted for printing on non-absorbent material, such as the tinned plate used in the manufacture of cans.

The new ink is said to contain cellulose nitrate dissolved in a mixture of amyl acetate and diacetone alcohol, gum copal, ester gum dissolved in a mixture of butyl alcohol and butyl propionate, a non-volatile plasticizer, soft soap, coloring ingredient and magnesium carbonate.

[Among the products mentioned in the article above, U. S. I. manufactures amyl acetate, butyl alcohol, butyl propionate and plasticizers.]

Process Extracts Zein Suitable For Plastics

TERRE HAUTE, Ind.—By holding the temperature between 55°–60° C., and the final pH within the range of 6.0–7.0, it is possible to extract commercial quantities of zein, suitable for use in the production of plastics from maize proteins, according to an inventor here. Zein obtained by previous extraction processes has not been suitable for plastics, it is claimed in the patent.

A suitable process outlined in the patent comprises adding 93% ethyl alcohol to ground gluten meal, agitating gently during the extraction period, decanting, and repeating the process until the extraction is complete. The alcohol should be brought to a temperature such that after adding it to the meal, the resulting temperature is within the preferred range. Alkali may be added at the beginning or during the extraction to maintain the specified hydrogen ion concentration.

U.S.I. Enters Resin Field

(Continued from previous page)

the company concentrated on the manufacture of ester gums.

Following the war, expansion in the paint, varnish and lacquer industries created a demand for improved finishes, and ester gums soon became an important raw material for these new finishes.

A few years later, the Rauh company again expanded its facilities and began the manufacture of phenol-formaldehyde resins and copal esters. Subsequently, the company added a line of alkyd resins and urea resins and, since Repeal, has resumed the manufacture of a considerable volume of brewer's pitch for lining beer barrels, kegs and other brewer's equipment.

New Units Installed

In 1937, new units for the manufacture of phenolic and alkyd resins were installed to enable the company to meet the increased demands for resins of this type, and to keep pace with rapid developments in the field.

Major distribution of Rauh products has, until now, been in the East, although they are known in the midwest as well as on the Pacific Coast. Synthetic resins will be nationally distributed by U.S.I. sales offices in all leading cities.

TECHNICAL DEVELOPMENTS

Further information on these items may be obtained by writing to U.S.I.

A dispersion agent whose use, it is claimed, so facilitates the dispersion of carbon blacks that enamels with improved gloss and bluer tone can be produced, was introduced recently. The manufacturer also states that stronger tints and lower grinding costs are other advantages obtainable. **(No. 91)**

U S I

To illuminate the inside of barrels, drums, tanks, etc., a special stick-like flashlight is now on the market. The aluminum lamp is said to be safe in the vicinity of explosive fumes and dusts, and is easily manipulated. A mercury switch in the shank automatically turns off the light when not in use. **(No. 92)**

U S I

Fatty acid soaps unique in their oil solubility and in their ability to emulsify oil systems are said to be among the products which can be formed from a non-volatile tertiary amine recently introduced. The compound, described as amphoteric, also forms water soluble salts with inorganic acids, is a solvent for a wide variety of compounds, and is useful as an ingredient in paint removers as well as in certain syntheses, it is stated. **(No. 93)**

U S I

A new thermoplastic coating for the inside of containers is said to resist acids and alkalies, as well as water and some alcohols. According to a recent announcement, the coating is easy to apply, retains its protective characteristics almost indefinitely and is an effective moisture-proofing agent. **(No. 94)**

U S I

Standard quart cans can be used with siphon feed spray guns by means of a special cover, according to a recent report. The cover is said to lock in any position on the circumference of the container, protect against leakage, and permit the user to make rapid changes without cleaning standard containers. **(No. 95)**

U S I

Metal furniture putty, which can be applied to steel, aluminum and other metals, is now on the market. According to the manufacturer, it can be applied with a knife or, if thinned, by spraying or brushing. The putty air dries or bakes and, when hard, sands freely to a smooth surface, it is claimed. **(No. 96)**

U S I

Wide-range indicator papers that pass through five color changes in the range pH 2 to pH 10 are now supplied by one manufacturer. They can be used with turbid and highly colored solutions by observing color of outer diffusion zone on spot tests, he reports. **(No. 97)**

U S I

A new preservative and antioxidant is said to prevent both decomposition and polymerization of linseed oil when added in the proportion of 1:1000. The product is also effective with other vegetable oils, blood albumen and is soluble in most organic solvents and vegetable and mineral oils, according to the manufacturer. **(No. 98)**

U.S. INDUSTRIAL ALCOHOL CO.
INDUSTRIAL CHEMICAL CO., INC.

WORLD'S LARGEST PRODUCERS OF ALCOHOL DERIVED SOLVENTS

Executive Offices: 60 East 42nd Street, New York, N. Y. Branches in all Principal Cities

AMYL ALCOHOLS
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Refined Fusel Oil
Secondary Amyl Alcohol

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Completely Denatured
Anhydrous Denatured
Absolute—Pure
C.P. 96%—Pure and Denatured
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95%, 97% and Pure

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COLLODIONS
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NITROCELLULOSE SOLUTIONS

DIAMYL PHTHALATE
DIBUTYL PHTHALATE
DIETHYL PHTHALATE
DIMETHYL PHTHALATE

ACETIC ETHER
AMYL ACETATES
High Test Commercial
Technical Secondary
BUTYL ACETATES
Normal and Secondary
***DIATOL**
DIETHYL CARBONATE

ETHYL ACETATES
85-88%, 95-98%, 99% and U.S.P

ETHYL LACTATE
ISOPROPYL ACETATE
AMYL PROPIONATE
BUTYL PROPIONATE

ANSOLS
Ansol M Ansol PR

ACETOACETANILID
ACETOACET-O-CHLORANILID
ACETOACET-O-TOLUIDID
ETHYL ACETOACETATE
SODIUM ETHYL OXALACETATE
PARACHLOR-O-NITRANILINE

ACETONE
DIBUTYL OXALATE
DIETHYL OXALATE
ETHYL CHLORCARBONATE
ETHYLENE
URETHANE

***CURBAY BINDER**
POTASH BY-PRODUCTS

*Trade-mark registered

Oil, juniper berry, USP, cns.	lb.	1.10 - 1.30
Wood, tech., cns.	lb.	.45 - —
Juniper tar, USP XI, 1,000 lb. dms.	lb.	.40 - .45
cns.	lb.	.45 - .50
Lard, common, 1, bbls.	lb.	.08½- —
2, bbls.	lb.	.08¼- —
extra, bbls.	lb.	.09½- —
1, bbls.	lb.	.08⅞- —
winter, strained, extra, bbls.,	lb.	.09¼- —
prime burning, bbls.	lb.	.10¼- —
prime, ed., bbls.	lb.	.11½- —
ined., bbls.	lb.	.09¾- —
Laurel, bots.	lb.	6.25 - 6.50
Lavandin, cns., 25 lbs.	lb.	2.25 - —
Lavender flower, French, 50% ester, cns.	lb.	5.00 - 5.25
38-42% ester, cns.	lb.	3.75 - 4.25
35-38% ester, cns.	lb.	3.00 - 3.25
30-32% ester, cns.	lb.	2.25 - 2.30
garden, cns.	lb.	.42 - .45
spike, Spanish, tech., cns.	lb.	1.05 - 1.10
dms.	lb.	.95 - 1.10
Lemon, Calif., cns.	lb.	2.50 - —
Messina, coppers, cns.	lb.	3.20 - 3.90
Lemongrass, native, cns., dms.,	lb.	.38 - .40
Lime, dist., cns.	lb.	4.75 - 5.50
expressed, cns.	lb.	8.00 - 9.50
Linaloe wood, cns.	lb.	1.25 - 1.30
Linseed, boiled, bbls., c.l.	lb.	.0970- .0990
l.c.l., 5 or more	lb.	.1010- .1030
less than 5	lb.	.1050- .1070
tanks	lb.	.0910- .0930
double boiled, bbls., less than 5 lbs.	lb.	.1070- .1090
raw, bbls., c.l.	lb.	.0930- .0950
l.c.l., 5 or more	lb.	.0970- .0990
less than 5	lb.	.1010- .1030
tanks	lb.	.0870- .0890
Lovage, bots.	lb.	41.25 -60.00
Lubricating, at refinery (including U.S. tax 4c. per gal.):—		
California, green, 70, 80, 100, vis., dms.	gal.	.20 - —
140 vis., dms.	gal.	.25 - —
green, pale, 750, 900 vis., dms.	gal.	.26 - —
green, pale, red, 200, 300, 350, 400, 450, 500, 600, 700 vis., dms.	gal.	.28 - —
Oklahoma, bright stocks, 100-110 D, color 4, 0-10 pour, tanks.	gal.	.18½- —
15-25 pour, tanks.	gal.	.17½- —
150-160 D, color 4½, 0-10 pour, tanks.	gal.	.20 - —
15-25 pour, tanks.	gal.	.19 - —
150-160 E, color 5½, 15-25 pour, tanks.	gal.	.18½- —
190-200 D, color 4¼,15-25 pour, tanks.	gal.	.23 - —
200-210 E, 15-25 pour, tanks.	gal.	.22 - —
neutrals,0-10 pour, 150 vis., 3 color, tanks.	gal.	.13 - —
180 vis., 3 color, tanks,	gal.	.14 - —
4 color, tanks.	gal.	.13½- —
200 vis., 3 color, tanks,	gal.	.14½- —
4 color, tanks.	gal.	.14 - —
250 vis., 3 color, tanks,	gal.	.15½- —
4 color, tanks.	gal.	.15 - —
280 vis., 3 color, tanks,	gal.	.16½- —
4 color, tanks.	gal.	.16 - —
300 vis., 3½ color, tanks,	gal.	.17 - —
350 vis., same basis.	gal.	.17½- —
400 vis., same basis.	gal.	.18 - —
500 vis., same basis.	gal.	.18½- —
600 vis., same basis.	gal.	.19 - —
15-25 pour prices are ½c. per gallon higher than zero to 10° pour.		
Penn., bright, 600 cold test,		
10-15 pour, tanks.	gal.	.18 - —
10-40 pour, tanks.	gal.	.17½- —
cylinder, 600 fire, tanks,	gal.	.11½- —
600 flash, tanks.	gal.	.14 - —
630 flash, tanks.	gal.	.17 - —
635 fire, tanks.	gal.	.12½- —
650 fire, tanks.	gal.	.13½- —
Warren, E, amber, tanks,	gal.	.15 - —
neutral, 150 vis., 3 color, tanks.	gal.	.17½- —
180 vis.,3 color,tanks.	gal.	.18 - —
200 vis.,2 color,tanks.	gal.	.19 - —
spot, Penna., bright, bbls., c.l., f.a.s.	gal.	.27 - .28
unfiltered, 600 s.r.	bbls., f.a.s.	gal. .21 - —
600 flash, s.r., bbls., c.l.,	gal.	.23½- —
630 s.r., bbls., c.l., f.a.s.	gal.	.25 - —
Warren, E, bbls., c.l., f.a.s.	gal.	.24½- —
smaller lots, f.o.b.	gal.	.26½- —
Mace, dist., cns., dms.	lb.	1.20 - 1.25
Mandarin, superior, coppers.	lb.	6.00 - 7.50
Menhaden, crude, tanks, f.o.b. Balto.	gal.	.35 Nom.
refd., alkali, dms.	lb.	.0870- .0890
tanks	lb.	.0810- —
blown, dms.	lb.	.0870- .0890
kettle-bodied, dms.	lb.	.0970- .0990
light pressed, dms.	lb.	.0810- .0830
tanks	lb.	.0740- —
Mineral, white (see Oil, white mineral).		
Mustard, artif., USP, cns.	lb.	1.70 - 1.75
dist., natural, bots.	lb.	8.50 - 9.00
expressed, bbls.	lb.	.75 - .80
Neatsfoot, 20° cold test, bbls.	lb.	.16¼- —
extra, bbls.	lb.	.09½- —
1, bbls.	lb.	.08¾- —
pure, bbls.	lb.	.11¾- —
prime, bbls.	lb.	.09⅜- —
sulphonated, common, 25% moisture, dms.	lb.	.10½- —
Neroli, bots.	lb.	115.00 -140.00
Nutmeg, USP, cns., dms.	lb.	1.20 - 1.25
Oiticica, dms.	lb.	.10½- .10¾
Oleo, 1, bbls.	lb.	.08½- —
2 bbls.	lb.	.08 - —
Olibanum, bots.	lb.	5.00 - 5.25
Olive, denat., bbls.	gal.	.90 - .95
edible, bbls.	gal.	1.85 - 2.00
foot,s bbls.	lb.	.08¼- .08¾
Olive, sulphonated, 50% (43% fat), dms., c.l.	lb.	.11½- .12
l.c.l.	lb.	.12½- .13
75% (63% fat), dms., c.l.	lb.	.13½- .14
l.c.l.	lb.	.14½- .15
80% (68% fat), dms, c.l.	lb.	.14½- .15
l.c.l.	lb.	.15½- .16
Orange sweet, dist., cs.	lb.	.90 - —
expressed, African, cns., dms.	lb.	1.30 - 1.35
Calif., cns.	lb.	1.75 - —
Florida, cns.	lb.	1.75 - —
Messina, USP,coppers.	lb.	2.25 - 3.00
West India, cns.	lb.	1.95 - 2.00
Origanum, Spanish, cns.	lb.	.90 - 1.60
Orris, Florentine, concrete, extra strong bots.	oz.	5.25 - 5.50
Palm, Niger, cks.	lb.	.0360- —
shipment	lb.	.0320- —
softs, 12½%, bulk, shipt.	lb.	.0300- —
20%, bulk, shipt.	lb.	.0280- —
Sumatra, shipt., bulk.	lb.	.0300- —
Palmarosa, cns.	lb.	2.05 - 2.25
Palmkernel, bulk, shipt.	lb.	.0415- —
Oil, paraffin, 320° flash, 60-70 vis., tanks, G. 3.	gal.	.05¼- —
330° flash, 70-80 vis., tanks, G. 3.	gal.	.05½- —
80-85 vis., bbls., extra, Ind. refy.	gal.	.12 - —
350° flash, 100-105 vis., bbls., extra, Ind. refy.	gal.	.14 - —
360° flash, 100-110 vis., tanks, G. 3.	gal.	.05¾- —
Patchouli, bots., cns.	lb.	3.75 - 8.00
Peanut, crude, dom., tanks.	lb.	.07½- .07¼
refd., edible, bbls.	lb.	.10 - .10¼
Pennyroyal, dom., cns.	lb.	1.40 - 1.45
import, cns.	lb.	1.35 - 1.40
Peppermint, natural, cns., dms.,	lb.	1.95 - 2.20
redist., USP, cns., dms.	lb.	2.15 - 2.40
Perilla, dms.	lb.	.10½- .10⅝
tanks		.0980- .1000
Petitgrain, Paraguay, cns.	lb.	1.00 - 1.05
Pimento berry, cns.	lb.	3.65 - 7.50
leaf, cns.	lb.	2.30 - 2.40
Pine, dest.-dist., straw-color, dms., divd., E. ports.	gal.	.52 - .55
steam-dist., dms.	gal.	.59 - —
tanks	gal.	.54 - —
Pineneedle, Siberian, cns.	lb.	.98 - 1.02
Putty, bbls., El Segundo, Richmond, Cal.	gal.	.22½- —
contracts	gal.	.19½- —
Whiting, Ind.	gal.	.28 - —
dms., c.l., Bost., Provid.	gal.	.25 - —
l.c.l., same basis.	gal.	.27 - —
tanks, same basis.	gal.	.18 - —
Martinez, Cal.	gal.	.28 - —
Rapeseed, blown, bbls.	lb.	.14½- .14¾
denat., bbls.	gal.	.86 - .87
Red, dist. or saponif, bbls. divd.	lb.	.09¾- .10⅜
dms., divd.	lb.	.09½- .10½
tanks, divd.	lb.	.08¾- .09¾
white, dms.	lb.	.12¼- .13
Rose, artif., bots.	oz.	2.00 - 8.00
natural, coppers.	oz.	5.25 -22.50
Rosemary, Spanish, cns.	lb.	.56 - .75
dms.	lb.	.51 - .70
Rosin, 1st rectfd., dms.	gal.	.45 - .47
2d rectfd., dms.	gal.	.47 - .49
3d rectfd., dms.	gal.	.51 - .53
Rue, bots.	lb.	2.15 - 2.20
Sage, cns.	lb.	1.40 - 1.45
Sandalwood, Australia, cns.	lb.	4.50 - 5.00
E.I., USP, cns.	lb.	5.20 - 5.25
Sardine, crude, tanks, Pac.	Cst. gal.	.38 - —
refd., alkali, dms.	lb.	.0870- .0890
tanks	lb.	.0810- —
kettle-bodied, dms.	lb.	.0970- .0990
light, pressed, dms.	lb.	.0810- .0830
tanks	lb.	.0740- —
Sassafras, artif., cns.	lb.	.37 - .38
dms.	lb.	.35 - .36
natural, cns., dms.	lb.	1.00 - 1.05
Savin, cns.	lb.	1.45 - 1.50
Savory, cns.	lb.	2.00 - 2.25
Sesame, dom., refd., white, dms.,	lb.	.10¼ Nom.
Shingle stain, bbls., c.l., works,	gal.	.18 - —
l.c.l., works.	gal.	.21 - —
tanks, works.	gal.	.14 - —
Snakeroot, Canada, cns.	lb.	9.50 -10.00
Soybean, dom., crude, dms.	lb.	.0730- .0750
tanks	lb.	.0650- —
refd., dms.	lb.	.0830- .0920
tanks	lb.	.0770- —
Spearmint, USP, cns.	lb.	1.60 - 1.70
Sperm, bleach, 38°, dms.	lb.	.1000- .1020
45°, dms.	lb.	.0930- .0950
natural, dms.	lb.	.0880- .0900
Spruce, cns., dms.	lb.	1.05 - 1.10
Sweet birch, North, cns.	lb.	2.25 - 3.50
South, cns.	lb.	1.65 - 2.00
Tall, crude, dms., c.l., works,	ton.	45.00- —
l.c.l., works.	ton.	50.00 -65.00
tanks, works.	ton.	35.00 - —
refined, dms., c.l., works.	lb.	.05½- —
l.c.l., works.	lb.	.06 - —
tanks, works.	lb.	.05 - —
Tallow, acidless, bbls.	lb.	.09 - —
tanks	lb.	.08½- —
Tansy, cns.	lb.	4.30 - 4.75
Tar, com'l, dms., c.l., divd., E. cities.	gal.	.26 - —
E. ports	gal.	.25 - —
l.c.l.	gal.	.26 - —
tanks, divd. E. cities.	gal.	.20 - —
rectfd., U.S.P., bbls., divd. E. ports.	gal.	.50 - —
Tar acid (see T).		
Teaseed, crude, dms.	lb.	.07¼- .07⅝
Tea Tree (see Oil, ti tree).		
Thyme, NF, red, dms.	lb.	.85 - 1.25
white, dms.	lb.	.85 - 1.45
Ti tree, cns.	lb.	3.10 - 3.50
Tung (see Oil, chinawood).		
Turkey red (see Oil, castor, sulphonated).		
Turpentine (see T).		
Turtle, cns.	gal.	4.25 - 5.00
Valerian, bots.	lb.	11.00 -12.00
Vetiver, bots.	lb.	4.85 -16.50
Walnut, crude, dms.	lb.	.11¾- .12
refd., dms.	lb.	.12¾- .13
Whale, refd., natural, dms.	lb.	.0940- .0960
winter, bleach, dms.	lb.	.0980- .1000
Wheat germ, phar., cns., dms.	gal.	22.50 -30.00
feedstuff, cns., dms.	gal.	17.50 -35.00
White, mineral, dom., tech., 50-60 vis., dms.	gal.	.42 - —
65-75 vis., dms.	gal.	.44 - —
80-90 vis., dms.	gal.	.46 - —
U.S.P., 80-90 vis., dms.	gal.	.49 - —
95-105 vis., dms.	gal.	.57 - —
125-135 vis., dms.	gal.	.64½- —
140-150 vis., dms.	gal.	.68 - —
175-185 vis., dms.	gal.	.72½- —
200-210 vis., dms.	gal.	.74½- —
320-330 vis., dms.	gal.	.80½- —
335-345 vis., dms.	gal.	.82 - —
Russian, 80-90 vis., dms.	gal.	.49 - —
145-155 vis., dms.	gal.	.68 - —
175-185 vis., dms.	gal.	.72½- —
335-345 vis., dms.	gal.	.82 - —
Wintergreen, natural, North, cns.	lb.	4.00 - 8.00
South, cns.	lb.	3.05 - 3.75
synth (see Methyl salicylate).		
Wood (see Oil, chinawood).		
Wormseed, cns.	lb.	2.65 - 2.70
Wormwood, cns.	lb.	2.65 - 2.70
Ylang-ylang, Bourb., bots., cns.,	lb.	3.50 - 6.00
Manila, bots.	lb.	18.00 -24.00
Opium, USP, cns.	lb.	11.50 -12.50
gran., cns.	lb.	12.50 -13.50
powd., cns.	lb.	12.50 -13.50
Orange, Lake, Persian, bbls.	lb.	.30 - .45
Mineral, Amer., bbls., 5 tons, divd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. of Cascade Mts. in Ore. and Wash.	lb.	.10¼- —
divd., Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash.	lb.	.10⅝- —
Colo., Mont., N. M., Wyo.	lb.	.10½- —
Other points.	lb.	.10 - —
smaller lots, divd., Ala., etc.	lb.	.10⅝- —
Ariz., etc.	lb.	.11¼- —
Colo., Mont., N. M., Wyo.	lb.	.11 - —
Other points.	lb.	.10½- —
Orange mineral, French, Tours, csks, ex dock.	lb.	.13½- —
kgs., ex dock	lb.	.14½- —
Molybdate, bbls.	lb.	.31 - —
Toner, bbls.	lb.	.80 - —
Orangeflower petals, cs.	lb.	.33 - .35
Orange peel, bitter, bls.	lb.	.08 - .09
sweet, bls.	lb.	.09 - .10
Orris root, Florentine, bgs.	lb.	.10 - .11
fingers, cs.	lb.	.90 - .95
powd., bbls., bxs.	lb.	.12 - .13
Verona, bls.	lb.	.09 - .10
powd., bxs., cs.	lb.	.12 - .13
Orthoanisidin, bbls.	lb.	.70 - .74
Orthochloroanilin, dms.	lb.	.60 - .75
Orthochlorophenol, dms.	lb.	.32 - —
Orthocresol, dms., c.l., works.	lb.	.16½- —
l.c.l., same basis.	lb.	.17½- —
Orthodichlorobenzene, dms., c.l., works, frt. alld E. of Rockies.	lb.	.06 - —
l.c.l., same basis.	lb.	.07 - —
100-lb. tins, same basis.	lb.	.08 - —
50-lb. tins, same basis.	lb.	.09 - —
tanks, same basis.	lb.	.05½- —
Orthodichlorobenzene prices west of Rockies 1c. per lb. higher.		
Orthonitroanilin, dms.	lb.	.55 - —
Orthonitrochlorobenzene, kgs.	lb.	.18 - —
Orthonitroparachlorophenol, cns.	lb.	.75 - —
Orthonitrotoluene, dms.	lb.	.08 - —
Orthotoluenehydrochloride, dms.	lb.	.22 - —
Orthotoluene sulphonate, kgs.	lb.	2.00 - 2.05
Orthotoluidin, dms.	lb.	.10 - —
Osage orange extract, cryst., bbls.,	lb.	.19 - —
liquid, 42°, bbls.	lb.	.08 - —
51°, bbls.	lb.	.09 - —
Oxyquinolin sulphate, cns., 100-lbs., works.	lb.	3.50 - —
bots., cns., 1-50 lbs.	lb.	3.65 - 4.00

P

Papain, powd., cs.	lb.	1.35 - 1.40
Paprika, Hungarian, extra fancy, bgs.	lb.	.21½- .22
medium, bgs.	lb.	.20 - .20½
Spanish, extra fancy, cs.	lb.	.27½- .28
fair, bgs.	lb.	.24 Nom.
fancy, bgs.	lb.	.27 Nom.
medium, bgs.	lb.	.23½- .24
Para-aminoacetanilide, kgs.	lb.	.85 Nom.
Parachlorophenol, dms.	lb.	.45 - —
Paracymene, refd., dms.	gal.	.75 - 1.25
Paradichlorobenzene, dms., c.l.	lb.	.11 - .12
l.c.l.	lb.	.12½- .15½
Paraffin, crude, scale, white, 122-124 A.m.p., bgs., c.l., Okla., refy.	lb.	.02 - —
bbls., c.l., N. Y.	lb.	.0185- —
124-126 A.m.p., bgs., c.l., Okla., refy.	lb.	.02 - —
bbls., c.l., N. Y.	lb.	.0185- —
yellow, 124-126 A.m.p., bbls., c.l., N. Y.	lb.	.02¼-Nom.
fully refd., slabs, 123-125 A.m.p., bgs., c.l.	lb.	.0430- —
125-127 A.m.p., bgs., c.l.	lb.	.0435- —
128-130 A.m.p., bgs., c.l.	lb.	.0445- —
130-132 A.m.p., bgs., c.l.	lb.	.0455- —
133-135 A.m.p., bgs., c.l.	lb.	.05 - —
135-137 A.m.p., bgs., c.l.	lb.	.05¼- —
138-140 A.m.p., bgs., c.l.	lb.	.06 - —
143-145 A.m.p., bgs., c.l.	lb.	.07 - —
refined paraffin prices in cases are ½c. lb. higher than bags price.		
match, A.m.p. up to and incl. 110-112 bbls., c.l.	lb.	.02½- .02⅝
semirfd., solid, 122-124 A.m.p., bgs.	lb.	.03¼ Nom.
Paraformaldehyde, dms., 1.000 lbs. or more shipments, f.o.b. Perth Amboy, Philadelphia, or N. Y. C.	lb.	.34 - —
100 to 900 lbs. shipments, same basis.	lb.	.35 - —
Paraldehyde, tech., 99%, 55 and 100 gal. dms., divd.	lb.	.16 - —
5 and 10 gal. dms., divd.,	lb.	.17 - —
USP, cbys.	lb.	.37 - .45
Paranitroanilin, kgs., works.	lb.	.51 - —
Paranitrochlorobenzene, kgs.	lb.	.15 - —
Paranitrophenol, kgs.	lb.	.35 - —
Paranitrotoluene, kgs.	lb.	.35 - —
Paraphenylenediamine, bbls.	lb.	1.25 - 1.30
Paratoluenesulphonamide, bbls.	lb.	.70 - —
Paratoluidin, bbls.	lb.	.56 - —
Pareira brava root, bls.	lb.	.15 - .18
Paris green, dealer, dms., bbls., c.l., f.o.b. works frt. all'd	lb.	.23 - .25
less car lot, same basis.	lb.	.24 - .26
Passion flower herb, bls.	lb.	.07 - .07½
Patchouli leaves, bls.	lb.	.18 - .20
Pellitory root, bls.	lb.	.18 - .20
Pennyroyal herb, bls.	lb.	.07 - .08
leaves, bls.	lb.	.14 - .15
Pentanes norm., 28-38°, dms., c.l., G.3.	gal.	.11½- —
l.c.l., G.3	gal.	.16 - —
tanks, G.3	gal.	.08½- —
laboratory grade, dms., c.l., G.3.	gal.	.14 - —
l.c.l., G.3	gal.	.25 - —
Pepper, black, Alleppy, bgs.	lb.	.08½- .09
Lampong, bgs.	lb.	.05¾- .06
Tellicherry, bgs.	lb.	.09 - .09¼
Red, Japanese, 1, bgs.	lb.	.19½- .20
Mombasa, bgs.	lb.	.21 Nom.
White, Java, Muntok, bgs.	lb.	.08¼- .08½
Saigon, bgs.	lb.	.08¾- .08½
Peppermint leaves, dom., bls.	lb.	.30 - .31
import, bls.	lb.	.45 - .48
Peru, balsam, dms.	lb.	.75 - .76
Petrolatum, amber, bbls., c.l.,	lb.	.02¾- —
l.c.l.	lb.	.03⅞- —
extra, bbls.	lb.	.03 - —
l.c.l.	lb.	.04½- —
cream (see white, cream)		
green (see red)		
red, veterinary, bbls., c.l.	lb.	.02½- —
l.c.l.	lb.	.03⅝- —
white, cream, bbls., c.l.	lb.	.04½- —
l.c.l.	lb.	.06½- —
lily, bbls., c.l.	lb.	.05½- —
l.c.l.	lb.	.07½- —
snow., bbls., c.l.	lb.	.06½- —
l.c.l.	lb.	.08½- —
Petroleum, crude, bulk, at wells:—		
California:—		
Alamitos Heights	bbl.	.74 - .95
Athens	bbl.	.84 - 1.66
Belridge	bbl.	.70 - 1.32
Buena Vista Hills	bbl.	.70 - 1.38
Canal-Greely	bbl.	.84 - 1.64
Coalinga	bbl.	.70 - .90
Coyote Hills (West)	bbl.	.78 - 1.32
Dominguez	bbl.	.79 - 1.00
East Coyote	bbl.	.76 - .96
Elk Hills	bbl.	.70 - 1.38
Elwood Terrace, f.o.b. ship.,	bbl.	1.28 - 1.43
El Segundo	bbl.	.80 - 1.21
Huntington Beach	bbl.	.78 - 1.22
Inglewood	bbl.	.79 - 1.27
Kern Front	bbl.	.70 - —
Kern River	bbl.	.70 - —
Kettleman Hills	bbl.	1.19 - 1.43
La Habra	bbl.	.76 - .96
Lakeview	bbl.	.70 - 1.38
Lost Hills	bbl.	.70 - 1.18
McKittrick	bbl.	.70 - —
Midway - Sunset (except Lakeview)	bbl.	.70 - 1.38
Montebello	bbl.	.77 - 1.43

Oil, Juniper—Petrol. Lacq. Dil.

Petroleum, crude, bulk, at wells:—		
California (cont.):—		
Mt Poso	bbl.	.70 - —
Mountain View	bbl.	.70 - 1.28
Newhall	bbl.	.70 - —
Orcutt	bbl.	.70 - .93
Olinda Brea	bbl.	.76 - 1.27
Playa del Rey, f.o.b. pipeline	bbl.	.80 - 1.10
Richfield	bbl.	.76 - 1.09
Rosecrans	bbl.	.84 - 1.08
Round Mt.	bbl.	.70 - —
Santa Fe Springs	bbl.	.78 - 1.42
Santa Paula	bbl.	.70 - 1.01
Seal Beach	bbl.	.79 - 1.19
Signal Hill	bbl.	.80 - 1.21
Torrence	bbl.	.80 - 1.05
Wheeler Ridge	bbl.	.70 - .83
Whittier	bbl.	.76 - .96
Wilmington	bbl.	.75 - 1.21
Canada:—		
Oil Springs	bbl.	2.17 - —
Petrolia	bbl.	2.10 - —
Central West:—		
Illinois	bbl.	1.35 - —
Lima	bbl.	1.25 - —
Midland (Mich.)	bbl.	1.12 - —
Princeton	bbl.	1.35 - —
East Texas	bbl.	1.35 - —
Gulf Coast:—		
Barber's Hill	bbl.	.95 - 1.41
Batson	bbl.	.95 - 1.41
Dayton	bbl.	.95 - 1.41
Esperson	bbl.	.95 - 1.41
Goose Creek	bbl.	.95 - 1.41
Hull	bbl.	.95 - 1.41
Humble	bbl.	.90 - 1.41
Liberty	bbl.	.90 - 1.41
Markham	bbl.	.90 - 1.29
Orange	bbl.	.95 - 1.41
Pettus	bbl.	1.37 - —
Pierce Junction	bbl.	.95 - 1.41
Refugio (incl. Greta, Tart, Saxet)	bbl.	1.01 - 1.17
Saratoga	bbl.	.95 - 1.41
Sour Lake	bbl.	.90 - 1.41
Spindle Top	bbl.	.95 - 1.41
Sugarland	bbl.	.95 - 1.41
West Columbia	bbl.	.95 - 1.41
Kentucky, Tennessee:—		
Big Sandy river	bbl.	1.42 - —
Kentucky river	bbl.	1.50 - —
Western Kentucky (Owensboro)	bbl.	1.40 - —
Louisiana, Arkansas:—		
Bull Bayou	bbl.	.90 - 1.23
Caddo	bbl.	.90 - 1.23
Cameron Meadows	bbl.	.90 - 1.30
Choctaw	bbl.	.90 - 1.30
Cotton Valley	bbl.	.90 - 1.23
Darrow	bbl.	.90 - 1.30
De Soto	bbl.	.90 - 1.22
El Dorado	bbl.	.90 - 1.23
Haynesville	bbl.	.90 - 1.22
Homer	bbl.	.90 - 1.22
Iowa	bbl.	.90 - 1.30
Lockport	bbl.	.90 - 1.30
Miller County	bbl.	.90 - 1.23
Pine Island	bbl.	.90 - 1.23
Rainbow	bbl.	.90 - 1.22
Rodessa	bbl.	.90 - 1.28
Smackover	bbl.	.90 - —
Tepetate	bbl.	1.24 - —
Urania	bbl.	1.02 - —
Mexico, f.o.b. terminals Mexican ports—based on contract:—		
Panuco	bbl.	1.05 Nom.
Tax, 15.572 per bbl.		
Tuxpan	bbl.	No prices.
Tax, 23.657 per bbl.		
Midcontinent:—		
North Texas	bbl.	.96 - 1.20
Oklahoma-Kansas	bbl.	.98 - 1.30
Altus, Tipton (Okla.).	bbl.	.96 - 1.20
Pennsylvania, Ohio West Virginia:—		
Bradford-Allegany	bbl.	2.05 - —
Corning	bbl.	1.27 - —
Pennsylvania grade, in Buckeye lines.	bbl.	1.35 - —
Eureka lines.	bbl.	1.65 - —
N. Y. Transit line.	bbl.	2.05 - —
S. W. Penn. lines.	bbl.	1.71 - —
lower district in National Transit lines.	bbl.	1.93 - 1.98
Rocky Mountain:—		
Big Muddy	bbl.	1.18 - 1.23
Canon City-Florence	bbl.	1.10 - —
Cat Creek	bbl.	1.40 - —
Dutton Creek	bbl.	1.06 - 1.30
Elk Basin	bbl.	1.30 - —
Fort Collins-Wellington,	bbl.	1.01 - 1.25
Frannie, light	bbl.	.82 - —
Grass Creek	bbl.	1.30 - —
Greybull	bbl.	1.30 - —
Iles	bbl.	1.12 - 1.18
Lance Creek	bbl.	.97 - —
Lander	bbl.	.51¼- —
Midway	bbl.	1.00 - 1.30
Rock Creek	bbl.	1.20½- —
Salt Creek	bbl.	1.06 - 1.30
Sunburst	bbl.	1.20 - —
Torchlight	bbl.	1.30 - —
South, Central and Southwestern Texas:—		
Cass County	bbl.	.98 - 1.28
Cleveland-Liberty	bbl.	1.27 - —
Conroe	bbl.	1.20 - 1.44
Darst Creek	bbl.	1.09 - —
Hardin-Liberty	bbl.	1.15 - —
Luling	bbl.	1.00 - —
Lytton Springs	bbl.	1.12 - —
Mirando (incl. Duval)	bbl.	.96 - 1.20
Panola County	bbl.	.93 - 1.25
Salt Flat	bbl.	1.20 - 1.44
Tomball	bbl.	1.10 - —
Van	bbl.	—
Texas Panhandle:—		
Carson-Hutchinson counties,	bbl.	.91 - 1.08
Gray County	bbl.	.96 - 1.08
West Texas:—		
Artesia, N. M.	bbl.	.90 - —
Crane	bbl.	.78 - 1.08
Crockett	bbl.	.78 - 1.08
Ector	bbl.	.90 - —
Eddy (N. M.)	bbl.	1.33 - —
Hogback	bbl.	.78 - 1.08
Howard	bbl.	.90 - —
Jackson, N. M.	bbl.	.78 - 1.08
Lea, N. M.	bbl.	.90 - —
Mallamar, N. M.	bbl.	.78 - 1.08
Mitchell	bbl.	.91 - —
Pecos	bbl.	.78 - 1.08
Upton	bbl.	.78 - 1.08
Winkler	bbl.	.78 - 1.08
Ether, 30-60°, dms., c.l., G. 3.	gal.	.14 - —
l.c.l., G. 3	gal.	.25 - —
tanks, G.3	gal.	.13 - —
35-60°, dms., l.c.l., G.3	gal.	.30 - —
40-75°, dms., c.l., G.3	gal.	.14 - —
l.c.l., G.3	gal.	.25 - —
tanks, G.3	gal.	.13 - —
laboratory grade, dms., c.l., G.3.	gal.	.14 - —
c.l., G.3	gal.	.25 - —
10-gal. lots, G.3	gal.	.50 - —
Lacquer, diluent, at refinery:—		
California 60, 100 i.b.p., 200 e.p., tanks, delvd. Los Angeles.	gal.	.11 - —
San Francisco.	gal.	.11¼- —
f.o.b. Richmond.	gal.	.11½- —
Willbridge, Ore.; Pt. Wells, Wash.	gal.	.12 - —
East Coast, tanks.	gal.	.12 - .12½
Group 3, tanks.	gal.	.07⅝- —

Petrol. Naphtha—Potash Muriate

Petroleum, naphtha, cleaners, at refinery:—
East Coast, tanks.....gal. .10 - —
Group 3, tanks.....gal. .06¾- —
tankwagon, Boston, ex tax gal. .13 - .14
Chicago, inc. 4c. tax..gal. .16½- —
Decatur, inc. 4c. tax..gal. .194 - —
Des Moines, inc. 4c. tax.gal. .192 - —
Evansville, Ind., ex tax.gal. .147 - .157
Milwaukee, inc. 5c. tax.gal. .206 - —
Minneapolis-St. Paul, inc. 5c. tax..gal. .208 - —
Newark, ex tax.....gal. .12½- —
New York, ex tax.....gal. .11 - —
Omaha, ex tax.....gal. .144 - .154
Philadelphia, ex tax...gal. .12½- —
St. Louis, inc. 1c. tax.gal. .16 - —
Solvent, rubber, at refinery, East Coast, tanks..gal. .09½- .10
Group 3, light, 120 i.b.p., 250 e.p., tanks..gal. .06¾- —
standard, 180 i.b.p., 288 e.p., tanks..gal. .06¾- —
Stoddard (CS 3-38), at refinery:—
East Coast, tanks.....gal. .10 - —
Group 3, tanks.....gal. .05¾- —
tankwagon, Boston, ex tax, gal. .12½- .13½
Chicago, inc. 4c. tax..gal. .159 - —
Decatur, inc. 4c. tax..gal. .184 - —
Des Moines, inc. 4c. tax.gal. .182 - —
Evansville, Ind., ex tax.gal. .135 - .145
Milwaukee, inc. 5c. tax, gal. .196 - —
Minneapolis-St. Paul, inc. 5c. tax..gal. .177 - —
Newark, ex tax.....gal. .09½- .11½
New Orleans, ex tax..gal. .11 -
New York, ex tax.....gal. .09½- .11½
Omaha .....gal. .131 - .14
Philadelphia, ex tax...gal. .10½- .12½
St. Louis, inc. 1c. tax.gal. .139 - —
Tulsa, ex tax.....gal. .10 - .11

Petroleum, thinner, at refinery:—
California, 34, 325 i.b.p., 390 e.p., low anilin, tanks f.o.b. Los Angeles....gal. .14 - —
Portland, Ore.....gal. .15 - —
Richmond .....gal. .13½- —
Seattle, Wash....gal. .15½- —
44, 311 i.b.p., 385 e.p., tanks, f.o.b. Point Wells, Wash.; Willbridge, Ore., gal. .10½- —
Richmond .....gal. .10 - —
Southern Calif....gal. .09½- —
56, 200 i.b.p., 300 e.p., tanks, f.o.b. El Segundo..gal. .11 - —
Portland, Ore....gal. .12 - —
Richmond .....gal. .11½- —
Seattle, Wash....gal. .12 - —
East Coast, 43-47, tanks.gal. .09½- .10
47-49, tanks.....gal. .09½- .10
New Jersey, tanks...gal. .09 - —
Group 3, tanks.....gal. .05¾- —
tankwagon, tax included:—
Albany .....gal. .13 - —
Baltimore (100 gals.)..gal. .12½- .15½
25-99 gals.....gal. .13½- .15½
Boston .....gal. .12½- .13½
Bound Brook, North Amboy, N. J..gal. .11¼- .13½
Bridgeport, Conn.....gal. .11½- —
Buffalo .....gal. .12½- —
Camden, N. J.....gal. .10 - .12
Chicago .....gal. .162 - —
Decatur, Ill.....gal. .184 - —
Des Moines.....gal. .182 - —
Evansville, Ind. .. gal. .137 - .147
Milwaukee .....gal. .196 - —
Minneapolis-St. Paul...gal. .198 - —
Newark .....gal. .09¼- —
New York (200 gals.)..gal. .09½- .11
Omaha .....gal. .131 - .141
Philadelphia .....gal. .10½- .12½
Pittsburgh .....gal. .12 - .14
Providence .....gal. .12½- .13½
Rochester .....gal. .12 - —
St. Louis.....gal. .15 - —
Syracuse .....gal. .14 - —
Trenton .....gal. .11½- .14
Wilmington, Del.....gal. .11½- .13¼

Phenobarbital, bots., 5 lbs....lb. 4.35 - —
bots. or cns., spot or contract, 100 lbs..lb. 4.00 - —
cns., 25 lbs.....lb. 4.25 - —
Phenol, USP, dms., c.l., works, frt. equald..lb. .14½- .15½
l.c.l., same basis.....lb. .15¼- .16¼
under 1,000 lbs.....lb. .16¼- .17¼
tanks, works.....lb. .12½- —
Phenolphthalein, USP, bbls., dms. 2,000 lb. lots..lb. .85 - —
bbls., dms., kegs, 100-250 lbs. lb. .87 - .90
yellow, fib., dms., 2,000-lb. lots, lb. .80 - —
100-lb. fib., dms.....lb. .82 - —
25-lb. dms.....lb. .87 - —
50-lb. kgs.....lb. .84 - —
Phenyl chloride, dms.....lb. .17 - —
Phenylacetaldehyde, bots.....lb. 2.25 - 2.50
Dimethylacetate, cns.....lb. 14.50 -15.00
Phenylethylphenyl acetate, bots., lb. 7.90 -15.50
Phenylhydrazine base, CP, bots., lb. 4.00 - —
Hydrochloride, CP, bots., works..lb. 4.00 - —
commercial, kgs., works...lb. 1.50 - —
pure, bbls., works.....lb. 2.25 - —
Phloroglucinol, CP, tins, works.lb. 20.00 -22.00
tech., tins, works.....lb. 15.00 -16.50
Phosphate rock, Fla., high-grade, hard, 77% basis, 76% min., bulk, mines..long ton. 4.35 - —
land pebble, 68% min., bulk, mines..long ton. 1.85 - —
70% min., bulk, mines, long ton. 2.35 - —
72% min., bulk, mines, long ton. 2.85 - —
75% basis, 74% min., bulk mines..long ton. 3.35 - —
Tenn., 72% bulk, mines, long ton. 4.50 - —
75%, bulk, mines..long ton. 5.50 - —
Phosphorus, red, cs.....lb. .40 - .44
Yellow, cs.....lb. .24 - .30
Oxychloride, cyls.....lb. .15 - .18
Sesquisulphide, cs.....lb. .38 - .42
Trichloride, cyls.....lb. .15 - .18
Phthalic anhydride, dms., c.l., works, frt. alld. E. of Miss. R..lb. .14½- —
l.c.l., same basis.....lb. .15½- —
Pichi leaves, bgs.....lb. .08 - .10
Pilocarpine hydrochloride, bots., vls..oz. 2.40 - 2.50
Nitrate, bots., vls.....oz. 2.90 - 3.00
Pimento, bgs.....lb. .14 - .14½
Pinkroot, bls.....lb. .40 - .45
Pitch, Burgundy (see B)
Coaltar, 160° m.p., bbls., c.l., works..ton. 19.00 - —
l.c.l.....ton. 22.00 - —
Pitch, hardwood, 1-time, dm., c.l., divd. Akron..ton. 23.75 -24.00
Linseed, dms.....lb. .05 - .05¼
Petroleum (see Asphaltum, Mexican, Texas)
Pine, bbls.....bbl. 6.00 - 6.25
Plaster of paris (see Gypsum).
Pleurisy root, bls.....lb. .12 - .13
Podophyllin, dms.....lb. 5.00 - 5.25
Poke root, bls.....lb. .07¼- .08
Pomegranate bark, bgs.....lb. .16 - .17
Root bark, bgs.....lb. .35 - .36
Poppy flowers, red, bls.....lb. .75 - .85
Seed, Dutch, bgs. .....lb. .11¼- .11½
Polish, bgs. .....lb. .11 - .11¼
Potash abietate.....lb. .08 - —
Potash acetate, tech., bbls., dlvd. lb. .26 - —
kgs., dlvd.....lb. .28 - —
USP, bbls., 250 lbs.....lb. .28 - —
kgs., 100 lbs.....lb. .30 - —
cns., 25 lbs.....lb. .33 - —
Arsenite, USP, solut., cbys., 100 lbs..lb. .11 - —
dem., 50 lbs.....lb. .12 - —
Bicarbonate, USP, cryst., bbls., 300 lbs..lb. .18 - —
kgs., 100 lbs.....lb. .20 - —
gran., bbls., 250 lbs.....lb. .18 - —
kgs. 100 lbs.....lb. .20 - —
Bichromate, spot, c.l., works. lb. .38¾- —
6 casks or 10 bbls., or over, works..lb. .09 - —
5 casks or 9 bbls., or less, works..lb. .09¼- —
Binoxalate, dms.....lb. .23 - —
Bisulphate, kgs.....lb. .15½- .18
Bromide, USP., gran., bbls., 500 lbs..lb. .31 - —
fib., dms., 100 lbs.....lb. .32 - —
Carbonate, calc., dms., c.l., works..lb. .06¼- —
l.c.l., same basis.....lb. .06¾- —
hydrated, 83-85%, bbls., c.l., works..lb. .05¼- —
l.c.l., same basis.....lb. .05¾- —
liquid, dms., c.l., divd.....lb. .03 - —
l.c.l., dms.....lb. .03¼- —
tanks, dlvd.....lb. .0287½- —
USP, gran., bbls., 325 lbs. lb. .14 - —
powd., bbls., 325 lbs.....lb. .19 - —
kgs., 100 lbs.....lb. .21 - —
Caustic, flake, 88-92%, dom., dms., c.l., works..lb. .07 - —
l.c.l.....lb. .07¼- .07½
import, dms.....lb. .07 - .07½
liquid, 45% basis, dms.....lb. .03½- .03½
tanks .....lb. .02½- —
solid, 88-92%, dom., dms., c.l., works..lb. .06¼- —
l.c.l.....lb. .06½- .06¾
import, cakes.....lb. .06¼- .06¾
Chlorate, cryst., kgs.....lb. .09¼- .09¾
gran., kgs.....lb. .12 - .13
powd., kgs.....lb. .08½- .09
Chloride, tech., 98%, cryst., bgs., kgs..lb. .04 - .06
Chromate, kgs.....lb. .23 - .28
Citrate, USP, gran., bbls., 250 lbs..lb. .34 - —
kgs., 100 lbs.....lb. .35 - —
cns., 50 lbs.....lb. .36 - —
cns., 25 lbs.....lb. .38 - .39
Cyanide, cns., dms.....lb. .55 - .60
Glycerophosphate, 75%, sol., dms., 1,000-lb. lots..lb. 1.15 - —
smaller lots.....lb. 1.30 - —
cns., 25 lbs.....lb. 1.40 - —
Guaiacolsulphonate, fib., dms., 100 lbs..lb. 1.65 - —
cns., 25 lbs.....lb. 1.75 - —
Hydroxide, USP, sticks, cns., 110 lbs..lb. .30 - —
Hypophosphite, cns., 100 lbs., lb. .73 - —
25 to 50 lbs.....lb. .75 - —
Iodate, bbls., bots., 5 lbs....lb. 3.17 - —
cns., 25 lbs.....lb. 3.05 - —
Iodide, bbls., 250 lbs.....lb. .93 - —
bots., or cns.....lb. 1.02 - 1.28
dms. .....lb. .95 - .96
Kainit, 20% K_2O, bulk, c.if., ports, ton..12.25 - —
Manure salt, dom., run of mine, approx. 30%, K_2O, bulk, c.i.f. ports, unit-ton. .58½- —
import, 30%, K_2O, bulk, shipt. unit-ton. .59½- —
Metabisulphite, kgs.....lb. .13 - .15
Muriate, dom., all strengths, min. 50% K_2O bulk.. unit-ton. .53½- —
import, all strengths, min. 80% KCl, basis 50% K_2O, bulk, c.i.f. ports..unit-ton. .53½- —
Potash muriate prices in bags are $3 per ton higher than bulk price.

Low Evaporation Losses

One of Skellysolve's 5 Advantages

As A Lacquer Diluent

by A. ERNEST MACGEE

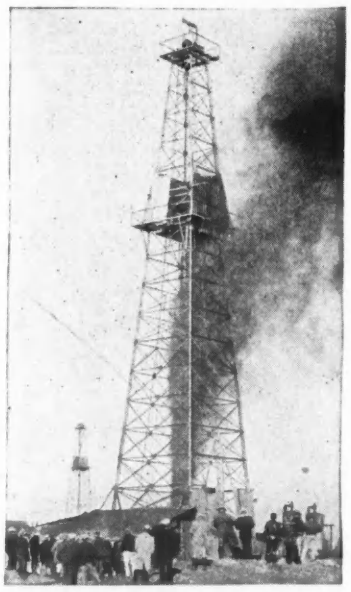
Manager Skellysolve Division, Skelly Oil Company

In developing Skellysolve to fit the exact requirements of our friends in the paint, varnish and lacquer industries, we've given particular attention to your five major solvent problems. One was the problem of evaporation loss, important to you because it wasted your money, created a fire hazard and produced a tendency to blush. And we found that through close cutting of fractions we reduced evaporation losses to a minimum, gave Skellysolve a big advantage as a lacquer diluent.

Through that same close cutting we've been able to solve two other problems, to give Skellysolve other advantages I know you'll find equally valuable. *Freedom from greasy residues,* for instance. Drying is complete and rapid, with minimum gum formation. And *close boiling ranges*—some as low as 15° F. from initial to dry flask end point—that are constant in storage or formulas, with minimum tendency to fractionate.

• Besides these three advantages resulting from close cutting, Skellysolve offers *constant uniformity* shipment after shipment, saves you the expense and trouble of changing formulas. And *uninterrupted supply,* that assures you of prompt deliveries, protects you against costly delays or actual shutdowns.

As you know, Skelly pioneered in the development of dependable, uniform, special naphthas. So you'll probably find the exact solvent you need in the wide Skellysolve line. Whatever your requirements, in type and price, I'm sure it will pay you to give us a call.



Skelly pioneered in the development of special petroleum solvents. Today Skelly still pioneers in close cuts, uniformity, rigid quality-control.

SKELLY

SKELLYSOLVE

SOLVENTS DIVISION, Skelly Oil Co., 121 W. Wacker Drive, Chicago

Wire or write for information or prices without delay.

Potash, oxalate, pure, cryst., kgs..lb. .30 - .31
tech., bbls.....lb. .25 - .26
Nitrate, crude, bgs., May shipt., c.i.f. ports..ton.57.50 - —
Perchlorate, kgs., works.....lb. .09½- .11¼
Permanganate, tech., dms...lb. .18¼- .19
Prussiate, red, bbls.....lb. .32 - .34
Yellow, bbls.....lb. .15 - .16
Ricinoleate, tech., bbls.....lb. .13 - —
Silicate alkaline, lump, bgs., lb. .07 - —
Sulphate, NF, cryst., bbls., 400 lbs..lb. .13 - —
kgs., 100 lbs.....lb. .15 - —
powd., bbls., 350 lbs.....lb. .14 - —
kgs., 100 lbs.....lb. .16 - —
tech., 90-95%, min. 90%, bgs., shipt., c.i.f. ports..ton.35.00 - —
l.c.l. .....lb. .13½- —
Xanthate, dms., c.l.....lb. .13 - —
Potash-magnesia sulphate, 48-53%, min. 48%, bgs., shipt. ton.25.75 - —
Potash-titanium oxalate, kgs...lb. .35 - .40
Prickly ash bark, bls.....lb. .11 - .12
Berries, bls.....lb. .15 - .16
Prince's pine herb, bls.....lb. .21 - .22
Propane, tanks, G.3.....gal. .03 - —
Psyllium seed (see Fleaseed).
Pulsatilla, bls. .....lb. .17 - .18
Pumice stone, Italian, Amer.-grd., 4F, 3F, 2F, 1½F, and coarser, bbls., 3 or over, works..lb. .03 - —
less than 3, works..lb. .03½- —
F and 1, bbls., 3 or over, works..lb. .03½- —
less than 3, works..lb. .04 - —
O, O-½, O-¾, and ½, bbls., less than 3, works..lb. .04½- —
3 or over, works..lb. .04 - —
Ital.-grd., bgs., c.l., shipt. ex dock, N.Y..ton.32.85 Nom.
l.c.l., 5-29 tons, ex whse., ton.37.70 - —
1,000-10,000 lbs., ex whse..ton.38.70 - —
2 bgs. to 1,000 lbs., ex whse..ton.40.70 - —
single bgs., ex whse.ton.45.70 - —
Pumpkin seed, bgs.....lb. .10 - .12
Purple lake (see Red).
Putty, com'l, dms.....100 lbs. 2.50 - —
linseed oil, raw, dms....100 lbs. 4.00 - —
refined, dms.....100 lbs. 5.00 - —
standard, dms.....100 lbs. 3.00 - 3.50
Pyrethrum concentrate, liq. (20 to 1), basis 2.4% pyrethrins (Seil test) 55 gal. dms. (incl.), frt. alld. E. of Rockies, standard brand..gal. 6.40 - 6.75
basis (30 to 1) 3.6% pyrethrins 55 gal. dms., (incl.) frt. alld. E. of Rockies, standard brand..gal. 9.60 - 9.95
Pyrethrum, flowers, coarse, grnd. (g.d.p.), Japan, bgs., frt. alld., 15 tons or over..lb. .23¾- —
fine powd. Japan, bbls., ton lots, frt. alld..lb. .25¼- —
Pyridin, denaturing, dms.....gal. 1.55 - —
refd., 2°, dms.....lb. .45 - —
Pyrites, Spanish, bulk, c.l.f. Atl. ports..unit-ton. .12-13 Nom.
Pyrocatechin, CP, cryst., works, fib, dms., tins..lb. 2.15 - 2.40
resublimed, fib, dms., tins..lb. 4.60 - —
Pyroxylin, scrap, amber, cs., works..lb. .15 - —
black, cs., works.....lb. .10 - —
China white, ivory, cs., works..lb. .16 - —
dense white, cs., works..lb. .12 - —
gray, cs., works.....lb. .10 - —
mixed, mottles, opaque, cs., works..lb. .04 - —
shell-dem., cs., works....lb. .12 - —
translucent pastels, cs., works..lb. .10 - —
transparent, cs., works...lb. .20 - —
colors, cs., works.....lb. .12 - —
shavings, amber, cs., works..lb. .16 - —
colors, mixed, cs., works.lb. .10 - —
white, cs., works.....lb. .15 - —

Q

Quassia, chips, bls.....lb. .05 - .06
Quebracho extract, liquid, 35% tan., bbls., works..lb. .03¾- —
tanks, works.....lb. .02¾- —
solid, 63%, bgs,, c.l., ex dock, plus duty..lb. .04 - —
clarified, 64%, bgs., c.l., same basis..lb. .04¼- —
Queen of the meadow leaves, bgs..lb. .07 - .08
Root, bgs.....lb. .09 - .10
Quercitron, extract, liquid, 51°, bbls..lb. .07½- .08½
solid, dms.....lb. .10 - .15½
Quicksilver, dom., flasks (76 lbs. net), dlvd., N.Y..flask.71.00- .72.00
Quince seed, bgs.....lb. .85 - 1.50
Quinidine, cryst., small cns...oz. .96 - —
large, cns.....oz. .98 - —
powd., precip., cans.....oz. .91 - —
Sulphate, cns.....oz. .67 - —
Quinine, 100 ozs., cns.....oz. .76 - —
Acetate, cns.....oz. .99 - —
Arsenate, cns.....oz. .99 - —
Arsenite, cns.....oz. 1.01 - —
Bisulphate, cns.....oz. .54 - —
Citrate, cns.....oz. .72 - —
Dihydrobromide, bots.....oz. .75 - —
Dihydrochloride, bots.....oz. .75 - —
Ethylcarbonate, cns.....oz. .75 - —
Ferrocyanide, cns.....oz. 1.01 - —
Formate, cns.....oz. .94 - —
Glycerophosphate, cns.....oz. 1.14 - —
Hydrochloride, cns.....oz. .68 Nom.
Hydrochlorosulphate, cns....oz. .75 - —
Hydroiodide, cns.....oz. .99 - —
Hypophosphite, cns.....oz. .99 - —
Phosphate, cns.....oz. .82 - —
Salicylate, cns.....oz. .73 - —
Sulphate, U.S.P. X, cns.....oz. .54 - —
U.S.P. XI, cns.....oz. .61 - —
Sulphocarbolate, cns.....oz. .97 - —
Tannate, cns.....oz. .57 - —
Tartrate, cns.....oz. .97 - —
Valerate, cns.....oz. .93 - —
Quinine-urea hydrochloride cns.oz. .75 - —

R

R salt, bbls.....lb. .52 - .55
Rapeseed, Belgian, bgs.....lb. .06¾- .07
Dutch, bgs.....lb. .06¾- .07
Japanese, bgs. .....lb. .06 - .06½
Raspberries, dried, bbls.....lb. .55 - .60
Red, alizarin lake, bbls., dlvd. N. of Tenn. and N.C., E. of Miss. R., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. 1.10 - 1.90

Red, Alizarin lake prices are ½c. higher dlvd. Ala., Fla., Ga., Ia. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.). Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.

Amaranth (see Red, maroon, lake)
Red, cadmium, lithopone, deep shade, bbls., ton lots, works, frt. alld..lb. .85 - —
smaller lots, same basis, lb. .90 - —
kgs., ton lots, same basis, lb. .90 - —
smaller lots, same basis, lb. .95 - —
light shade, bbls., ton lots, same basis..lb. .70 - —
smaller lots, same basis, lb. .75 - —
kgs., ton lots, same basis, lb. .75 - —
smaller lots, same basis, lb. .80 - —
light-medium shade, bbls., ton lots, same basis..lb. .75 - —
smaller lots, same basis, lb. .80 - —
kgs., ton lots, same basis, lb. .80 - —
smaller lots, same basis, lb. .85 - —
maroon shade, bbls., ton lots, same basis..lb. .95 - —
smaller lots, same basis, lb. 1.00 - —
kgs., ton lots, same basis, lb. 1.00 - —
smaller lots, same basis, lb. 1.05 - —
medium shade, bbls., ton lots, same basis..lb. .80 - —
small lots, same basis, lb. .85 - —
kgs., ton lots, same basis, lb. .85 - —
smaller lots, same basis, lb. .90 - —
selenide, bbls., dark, works.lb. 2.50 - —
light, works.....lb. 2.25 - —
Orange, bbls., 100-lb. lots, works..lb. 1.50 - —
Carmine, 40 1-lb. cns., 500 lbs. lb. 4.15 - —
dms., 500 lb. lots.....lb. 4.00 - —
100 lb. lots.....lb. 4.10 - —
Crocus martis (see Red, purple oxide).
Eosin toner, blue shade, bbls., lb. 1.55 - —
yellow shade, bbls.....lb. 1.40 - —
Indian, pure, bbls., f.o.b. Bethlehem, Easton, E. St. Louis, N. Y..lb. .08¾- —
80%-85%, bbls., same basis..lb. .07¼- —
Iron oxide (see Red, oxide).
Lake C toner, bbls., same basis alizarin lake, contracts.lb. 1.25 - —
open order.....lb. 1.30 - —
Lithol toner, bbls., same basis, alizarin lake, contra..lb. .75 - —
open order.....lb. .80 - —
Rose lake, bbls.....lb. .20 - .30
Pink, bbls.....lb. .15 - .20
Lithol-rubin toner, bbls., same basis alizarin lake..lb. 1.35 - —
Maroon lake, 25%, kgs., same basis alizarin lake contracts. lb .40 - —
Oxide (see Red, purple oxide).
Mercury oxide, tech., dom.... bbls..lb. 1.17 - —
Metallic, bbls., Pa., works..lb. .02 - —
Orange, Persian (see O).
Oxide, pure, bbls., c.l., works, lb. .08½- —
l.c.l., works.....lb. .09¼- —
reduced, 85% copperas oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, E. St. Louis, New Castle, N. Y..lb. 08¼- —
80% copperas oxide, bbls., same basis..lb. .07¾- —
Para toner, concent., kegs, same basis alizarin lake, contracts..lb. .75 - —
open order.....lb. .80 - —
Persian Gulf oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, E. St. Louis, ex whse., Chicago, St. Louis..lb. .04½- .04¾
San Fran., Los Ang., Portland, Seattle..lb. .05 - —
Phosphotungstic rhodamine Y, kgs..lb. 4.15 - —
Purple lake, kegs.....lb. .60 - 1.00
Oxide, bbls., f.o.b. Bethlehem, Easton, E. St. Louis..lb. .03 - —
Toner, kgs.....lb. 1.50 - 2.00
Scarlet ink toner, kgs., same basis alizarin lake..lb. .45 - —
Lake, kgs., same basis alizarin lake..lb. .25 - .30
Red, Spanish oxide, bbls., dlvd., lb. .03⅝ Nom.
Toluidin toner, kgs., same basis alizarin lake..lb. 1.35 - —
Tuscan, bbls., f.o.b. N. Y., E. St. Louis..lb. .11 - .40
Venetian, bbls., works.....lb. .0220- —
10%, bbls., works.....lb. .0245- —
15%, bbls., works.....lb. .0255- —
20%, bbls., works.....lb. .02¾- —
25%, bbls., works.....lb. .03 - —
30%, bbls., works.....lb. .03¼- —
35%, bbls., works.....lb. .0360- —
40%, bbls., works.....lb. .04 - —
Vermilion, Amer., bbls., same basis alizarin lake..lb. .15 - —
English quicksilver, bbls., 500 lb. 1.45 - —
smaller lots .....lb. 1.46 - 1.54
Red dyes are listed under Dyes.
Red precipitate, N. F., powd., fib. dms., 50 lbs. or more..lb. 1.42 - —
Red saunders wood, ground, bbls. lb. .12 - .17
Resorcinol, tech., dms., works.lb. .75 - .80
USP, cryst., bbls., works...lb. 1.50 - 1.55
Rhatany root, bgs.....lb. .09 - 10
Rhodinol, bots. .....lb. 7.60 - 8.60
Rhubarb root, cs.....lb. .43 - .44
powd., bbls., kgs.....lb. .48 - .49
Rochelle salt, cryst., bbls., 5,000 lbs., 1 shipm't..lb. .17 - —
smaller lots.....lb. .17½- —
powd., bbls., 5,000 lbs., 1 shipm't..lb. .16 - —
smaller lots.....lb. .16½- —
Rose flowers, pale, bls.....lb. .30 - .31
Red, bls.....lb. 2.25 - 2.30
Rosemary flowers, bls.....lb. .35 - .40
Leaves, bls.....lb. .05 - .06
Rosin, gum, B, bbls, ex dock, 280 lbs. 4.65 - —
D, bbls.....280 lbs. 5.00 - —
E, bbls.....280 lbs. 5.05 - —
F, bbls.....280 lbs. 5.50 - —
G, bbls.....280 lbs. 5.90 - —
H, bbls.....280 lbs. 5.95 - —
I, bbls.....280 lbs. 5.95 - —
K, bbls.....280 lbs. 5.97½- —
M, bbls.....280 lbs. 5.97½- —
N, bbls.....280 lbs. 6.40 - —
W. G., bbls.....280 lbs. 7.15 - —
W. W., bbls.....280 lbs. 7.55 - —
X, bbls.....280 lbs. 7.55 - —
Rottenstone, dom., bgs., c.l., f.o.b. mines..ton.35.00 - —
l.c.l., ex whse.....ton.50.00 - —
import., lump., bbls.....lb. .12 - —
powd., bbls. .....lb. .08½- .10
Rue, bls. .....lb. .21 - .23

S

Sabadilla seed, powd., bbls....lb. .19 - .20
Saccharin, dms., 100 lbs.....lb. 1.70 - —
cns., 25 lbs.....lb. 1.73 - 2.05
Safflower, bls.....lb. .25 - .26
Saffron, Mexican, bls.....lb. .38 - .40
Spanish, tins.....lb.23.00 -24.00
Safrol, cns.....lb. .52 - .53
dms. .....lb. .50 - .51
Sage, Dalmatian, stemless.....lb. .05¾- .06
garden, bls.....lb. .06¼- .06½
Sago flour, bgs.....lb. .02½- .03¼
Salicin, bots., 5 lbs.....lb. 5.00 - —
cns., 25 lbs.....lb. 4.75 - —
Salol, gran., bbls., 200 lbs.....lb. .90 - —
bxs., 25 lbs.....lb. .93 - —
kgs., 100 lbs.....lb. .90 - —
powd., fib. dms., 25 lbs.....lb. 1.03 - —
kgs., 100 lbs.....lb. 1.00 - —
Salt, rock, bgs., dlvd., N. Y..ton.12.80 -13.20
l.c.l., bgs., dlvd., N. Y..ton.15.00 -15.60
vacuum, common, fine, bgs.,c.l., dlvd., N. Y..ton.15.30 -15.70
l.c.l., dlvd., N. Y.....ton.16.50 -17.00
Saltcake, grd., dom., bbls., works, ton.19.00 -25.00
bulk, works.....ton.15.00 - —
import, bulk, c.l.f.....ton.15.00 -16.00
Chrome (see Chrome cake).
Saltpeter, dbl. refined, cryst., 10-20 tons, bbls..100 lbs. 7.50 - 8.25
1-9 tons.....100 lbs. 7.65 - 8.40
less than ton lots..100 lbs. 7.90 - 8.65
gran., bbls., 10-20 tons.100 lbs. 6.50 - —
1-9 tons.....100 lbs. 6.65 - —
less than ton lots..100 lbs. 6.90 - —
powd., bbls., 10-20 tons.100 lbs. 7.50 - —
1-9 tons.....100 lbs. 7.65 - —
less than ton lots..100 lbs. 7.90 - —

Potash Oxalate—Soapbark

Santonin, cryst., cns.....lb.21.00 -22.00
Saponin, crude, cns.....lb. 1.45 - —
purified, bots., 5 lbs.....lb. 1.65 - —
cns., 25 lbs.....lb. 1.50 - —
Sarsaparilla root, Honduras, bls.lb. .42 - .43
Mexican, bls.....lb. .16 - .18
Sassafras, bark, ord., bls.....lb. .13 - .15
select, bls. .....lb. .18 - .20
Savory, bbls.....lb. .07 - .07½
Saw palmetto berries, bgs.....lb. .07 - .07½
Scammony root, bgs.....lb. .06 - .07
Schaeffer's salt, bgs.....lb. .46 - —
Seidlitz mixture, bbls., 5,000 lbs., 1 shipm't..lb. .13¾- —
smaller lots.....lb. .13¾- —
kegs, 5,000 lbs., 1 shipm't.lb. .13¾- —
smaller lots.....lb. .14¼- —
Senega root, bls.....lb. .65 - .70
Senna leaves, Alexandria, bls.lb. .10 - .14
Tinnevelly, No. 1, bls.....lb. .09 - .10
2 bls.....lb. .07 - .08
3, bls.....lb. .05 - .06
powd., bbls., bxs.....lb. .09 - .10
siftings, bls.....lb. .10 - .11
Pods, bls.....lb. .05½- .06
Serpentaria root, bls.....lb. .90 - .95
Shellac, bleached, bonedry, bbls., f.o.b., N.Y..lb. .16½- .17
dlvd. Boston.....lb. .17 - .17½
Chicago .....lb. .17½- .18
Pacific Coast.....lb. .19½- .20
refd., bbls., f.o.b. N. Y....lb. .23 - .24
dlvd. Boston.....lb. .23½- .24½
Chicago .....lb. .24 - .25
Pacific Coast.....lb. .26 - .27
Garnet, bgs.....lb. .13½- .14
Orange, D.C., VSO., Diamond, cases..lb. .20 - .21
Superfine, bgs., f.o.b. Bost., N.Y..lb. .11½- .12
dlvd. Chicago.....lb. .12 - .12½
Pacific Coast.....lb. .15 - .16
T.N., bgs., f.o.b. Bost.....lb. .11 - .11½
dlvd. Chicago.....lb. .11½- .12
Pacific Coast.....lb. .14 - .14½
Shellac varnish, orange, 5-lb. cut, bbls..lb. .85 - .96
4½-lb. cut, bbls.....gal. .80 - .90
4-lb. cut, bbls.....gal. .75 - .85
white, 5-lb. cut, bbls.....gal. 1.00 - 1.10
4½-lb. cut, bbls.....gal. .95 - 1.05
4-lb. cut, bbls.....gal. .90 - 1.00
Silica, amorph., dry-grd., 95-97%, 325 mesh, bgs. c.l., works.ton.17.00 - —
l.c.l., 2½ tons, works.ton.19.00 - —
smaller lots, works.ton.20.00 - —
wet-grd., 95-97%, 325 mesh, bgs., c.l., works..ton.18.00 - —
l.c.l., 2½ tons, works.ton.19.50 - —
smaller lots, works.ton.21.00 - —
400 mesh, bgs., c.l., works, ton.35.00 - —
l.c.l. 2½ tons, works.ton.36.50 - —
smaller lots, works.ton.38.00 - —
96-98%, 3.25 mesh., bgs., c.l., works..ton.20.00 - —
l.c.l., 2½ tons, works.ton.21.50 - —
smaller lots, works.ton.23.00 - —
99%, 325 mesh, bgs., c.l., works..ton.22.00 - —
l.c.l., 2½ tons, works.ton.25.50 - —
smaller lots.....ton.27.00 - —
hard-quarts, 140 mesh, bgs., c.l., works..ton.11.00 - —
l.c.l., works.....ton.16.00 - —
Silver bullion.....oz. .42¾- —
Govt. purchase.....oz. .6464- —
Nitrate, vis.....oz. .31½- .33½
Nucleinate, bots., cns., 480 ozs., oz. .30 - .31
Proteinate, bots., cns., 480 ozs., oz. .29 - .30
Simaruba bark, bls.....lb. .27 - .28
Skatol, bots.....lb.75.00 -80.00
Skullcap, Eastern, bls.....lb. .30 - .35
Western, bls.....lb. .18 - .20
Skunk cabbage root, bls.....lb. .25 - .26
Slate flour, bgs., c.l., works..ton. 9.00 - —
l.c.l., works.....ton.10.00 -15.00
Sloe berries, bgs.....lb. .09 - .10
Smalt, black, extra velvet, ctns. lb. .05 - .08
Blue, cts.....lb. .07 - .08½
Snakeroot, Canad., bls.....lb. .24 - .26
Soapbark, bls.....lb. .07 - .08
crushed, bls., bbls.....lb. .11 - .12
cut, bls., bbls.....lb. .09 - .10
powd., bbls. .....lb. .13 - .14

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LACQUER DILUENT RUBBER SOLVENT
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GENERAL SALES OFFICE: 155 NORTH CLARK STREET, CHICAGO

Decatur Des Moines Milwaukee Minneapolis Oklahoma City Omaha St. Louis Tulsa

Refinery: Cushing, Oklahoma

Soda Abietate—Soda, Pyro.

Soda, abietate, dms.....lb. .10 - —
Acetate, anhyd., dms., dlvd..lb. .08¼- —
flake, gran., powd., 60%, dms., c.l., dlvd..lb. .04 - —
l.c.l., dlvd. ....lb. .04½- .05
Alginate, dms.....lb. .69 - —
Antimoniate, bbls.....lb. .12¾-- .13¼
Arsenate, dms., dealers, c.l., works..lb. .08 - —
l.c.l., dms., works.....lb. .08½- —
Arsenite, dry, gray, dms., c.l., dealers' works..lb. .07½- .09½
l.c.l., dms., works.....lb. .08 - .10
white, dms., c.l., dealers' works..lb. .09 - .13
l.c.l., dms., works.....lb. .09½- .13½
liquid, dms., works.....gal. .30 - .33
powd., bbls.....lb. .13 - .14
Soda arsenite, dry, gray, prices are ¾c. per pound higher in Chicago; 1c. per pound higher in Houston, Tex., and Colorado. White prices are 1c. per pound higher in Tex. and Colo.

Ash, dense, 58%, bgs., c.l., works..100 lbs. 1.10 - —
l.c.l., Zone 1.....100 lbs. 2.13 - —
2 .....100 lbs. 2.28 - —
3 .....100 lbs. 2.33 - —
4 .....100 lbs. 2.93 - —
bbls., c.l., works...100 lbs. 1.35 - —
l.c.l., Zone 1.....100 lbs. 2.35 - —
2 .....100 lbs. 2.50 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —
bulk, c.l., works....100 lbs. .95 - —
extra light, 58%, bgs., c.l.... 100 lbs. 1.08 - —
l.c.l., Zone 1.....100 lbs. 2.08 - —
2 .....100 lbs. 2.23 - —
3 .....100 lbs. 2.48 - —
4 .....100 lbs. 2.88 - —
bbls., c.l., Zone 1..100 lbs. 1.45 - —

Soda ash, extra light, 58%, bbls., c.l., Zone 2.....100 lbs. 2.60 - —
3 .....100 lbs. 2.85 - —
4 .....100 lbs. 3.25 - —
l.c.l., Zone 1.....100 lbs. 2.45 - —
bulk, c.l.....100 lbs. .90 - —
light, 58%, bgs., c.l., works, 100 lbs. 1.05 - 1.08
l.c.l., Zone 1.....100 lbs. 2.08 - —
2 .....100 lbs. 2.23 - —
3 .....100 lbs. 2.48 - —
4 .....100 lbs. 2.88 - —
bbls., c.l., works....100 lbs. 1.35 - —
l.c.l., Zone 1.....100 lbs. 2.35 - —
2 .....100 lbs. 2.50 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —
bulk, c.l.....100 lbs. .90 - —

Soda ash l.c.l. prices are per 100 lbs. f.o.b. recognized warehouse points and include delivery in any quantity to customer's sidewalk within recognized local trucking distance of seller's warehouse. The sales zones are:—Zone 1, E. of Miss. R., but including Davenport and St. Louis, to S. bndry. of Va. and Ky., N. E. States (in Me., N. H., Vt.), special local prices apply for shipts. to various counties; Zone 2, Ala., Fla., Ga., Iowa (except Davenport), E. Kan. (incl. Wichita), Minn., Miss., Mo. (except St. Louis), N. C., Omaha, S.C., Tenn.; Zone 3, Ark., Kan. (W. of Wichita), La., Neb. (except Omaha), N.D., Okla., S.D., Tex. (except El Paso); Zone 4, Ariz., Colo., El Paso (Tex.), Idaho, Mont., Nev., N.M., Spokane, Utah, Wyo.; Zone 5, Calif., Ore., Wash. (except Spokane).

Benzoate, tech., bbls., 4,000 lbs. or more..lb. .39 - —
1,000 to 3,900 lbs.....lb. .40 - —
900 lbs. or less.....lb. .43 - —
USP, bbls., 4,000 or more..lb. .46 - —
1,000 to 3,900 lbs.....lb. .47 - —
900 lbs. or less.....lb. .50 - —
dms, 4,000 lbs., or more..lb. .47 - .48
1,000 to 3,900 lbs.....lb. .48 - .49
900 lbs. or less.....lb. .51 - .52

Soda bicarbonate, gran., bbls., c.l., works..100 lbs. 2.25 - —
powd., bbls., c.l., works.. 100 lbs. 1.85 - —
l.c.l., dlvd. N. Y...100 lbs. 2.51 - —
kgs., c.l.....100 lbs. 2.10 - —
l.c.l., dlvd. N. Y...100 lbs. 2.76 - —
Bichromate, spot, c.l., works lb. .06¼- —
6 cks. or 10 bbls. or over, works..lb. .07 - —
5 cks. or 9 bbls. or less, works..lb. .07¼- —
Bifluoride, bbls.....lb. .12½- .15
Bisulphite, powd., bbls., c.l., works..100 lbs. 3.25 - 3.35
l.c.l., works.....100 lbs. 3.50 - 3.60
solution, 32 deg., bbls., c.l., works..100 lbs. 1.30 - —
l.c.l., bbls., works.100 lbs. 1.55 - —
33 deg., bbls., c.l., works, 100 lbs. 1.35 - —
l.c.l., bbls., works.100 lbs. 1.60 - —
35 deg., bbls., c.l., works, 100 lbs. 1.40 - —
l.c.l., bbls., works.100 lbs. 1.65 - —
40 deg., bbls., works.100 lbs. 1.55 - —
l.c.l., bbls., works.100 lbs. 1.80 - —
Bromide, USP, gran, bbls., 500 lbs..lb. .31 - —
fiber dms., 100 lbs.....lb. .32 - —
Cacodylate, bots., 5 lbs.....lb. 5.81 - —
jars, 25 lbs.....lb. 5.50 - —
Carbonate (see Soda ash, soda menohydrated, soda, sal)
Caustic, flake, 76%, 1, gr., powd., ammon. process, bbls., c.l., works..100 lbs. 2.70 - —
dms., c.l., works...100 lbs. 2.70 - —
l.c.l., Zone 1.....100 lbs. 3.55 - 4.90
2 .....100 lbs. 3.70 - 5.05
3 .....100 lbs. 3.95 - 5.30
4 .....100 lbs. 4.35 - 5.70

Soda, caustic, flake, electro process, dms., c.l., works..100 lbs. 2.70 - —
l.c.l., same zone prices as ammonia process.
liquid, 47-49% buyer's tanks, works..100 lbs. 1.95 - —
seller's tanks, works, 100 lbs. 1.97½- —
70%, buyer's tanks, works, 100 lbs. 1.97½- —
seller's tanks, works, 100 lbs. 2.00 - —
solid, 76%, ammon. process, dms., c.l., works..100 lbs. 2.30 - —
l.c.l., Zone 1....100 lbs. 3.15 - —
2 .....100 lbs. 3.30 - —
3 .....100 lbs. 3.55 - —
electro process, dms., c.l., works..100 lbs. 2.30 - —
l.c.l., same zone prices as ammon. process.

Caustic soda l.c.l. prices are on the same basis as those for soda ash. The sales zones are also the same.

Chlorate, dom., cryst., bgs., c.l., works..lb. .06¼- —
l.c.l., works.....lb. .06¼- —
powd., bgs., c.l., works..lb. .06½- —
l.c.l., works.....lb. .07 - .08¾
Citrate, U.S.P., VIII, gran., bbls..225 lbs. .20 - —
cns., 50 lbs.....lb. .22 - —
25 lbs.....lb. .24 - .28
kgs., 100 lbs.....lb. .21 - —
USP X, gran., bbls., 250 lbs. lb. .26½- —
cns., 50 lbs.....lb. .28½- —
25 lbs.....lb. .30½- .31½
kgs., 100 lbs.....lb. .27 - —
U.S.P., X, powd., bbls., 250 lbs..lb. .27 - —
cns., 50 lbs.....lb. .29 - —
25 lbs.....lb. .31 - .33
kgs., 100 lbs.....lb. .28 - —
Cyanide, 96-98%, dom., dms..lb. .14 - .15
import., cs.....lb. .12¾- .13¾
Diacetate, 33-35% acidity, bbls., dlvd..lb. .09 - —
Fluoride, white, 90%, bbls., c.l., f.o.b. Phila..lb. .07¼- —
l.c.l., 10 or over, same basis..lb. .07¾- —
5-9, same basis.....lb. .08½- —
1-4, same basis.....lb. .08¾- —
95%, bbls., c.l., same basis, lb. .07½- —
l.c.l., 10 or over, same basis..lb. .08- —
5-9 same basis.....lb. .08½- —
1-4, same basis.....lb. .08¾- —
Soda fluoride prices at Los Angeles are f.a.s. Phila.
Glycerophosphate, N. F., cryst., bbls., 1,000-lb. lots..lb. 1.00 - —
smaller lots.....lb. 1.15 - —
cns., 25 lbs.....lb. 1.40 - —
powd., bbls., 1,000-lb. lots.. lb. 1.05 - —
smaller lots.....lb. 1.20 - —
cns.. 25 lbs.....lb. 1.45 - —
Hydrosulphite, bbls.....lb. .16 - .17
Hydroxide, USP., sticks, cns., 100 lbs..lb. .23 - .24
Hypophosphite, N.F., cns.... 100 lbs..lb. .67 - —
Hyposulphite, cryst., large, bgs, c.l., wks, frt. equal'd, 100 lbs. 2.25 - —
bbls., same basis..100 lbs. 2.45 - —
l.c.l., bgs., wks, frt. equal'd 100 lbs. 2.50 - —
bbls., same basis..100 lbs. 2.70 - —
100 lbs. 2.40 - 2.65
pea, bgs., c.l., works..100 lbs. 2.60 - —
bbls., works.....100 lbs. 2.80 - —
dms., works.....100 lbs. 3.10 - —
5,000 lbs. and over, bgs., wks..100 lbs. 2.75 - 3.00
bbls., wks.....100 lbs. 2.95 - 3.20
dms., wks.....100 lbs. 3.25 - 3.60
2,500 to 5,000 lbs., bgs., wks..100 lbs. 2.85 - 3.10
bbls., wks.....100 lbs. 3.05 - 3.30
dms., wks.....100 lbs. 3.35 - 3.60
500 to 2,500 lbs., bgs., wks., 100 lbs. 3.10 - 3.35
bbls., wks.....100 lbs. 3.30 - 3.55
dms., wks.....100 lbs. 3.60 - 3.85
less than 500 lbs., bgs., wks, 100 lbs. 3.70 - 3.95
bbls., wks.....100 lbs. 3.90 - 4.15
dms., wks.....100 lbs. 4.20 - 4.45
Iodate, jars.....lb. 5.02 - 5.07
Iodide, jars.....lb. 1.90 - 1.95
Mandelate, bots., 5 lbs.....lb. 3.30 - —
fib dms., 25 lbs.....lb. 3.15 - —
Metanilate, kgs.....lb. .41 Nom.
Metasilicate, ground, dms., c.l., works..100 lbs. 3.15 - —
l.c.l., works.....100 lbs. 3.40 - —
cryst., dms., c.l.....100 lbs. 2.90 - —
gran., bbls., c.l., works.100 lbs. 2.20 - —
Molybdate, kgs., wks.....lb. .60 - —
less kgs.....lb. .65 - —
Monohydrated, bbls.....100 lbs. 2.60 - —
works .....100 lbs. 2.30 - —
Naphthenate, bbls.....lb. .19 - —
Naphthionate, bbls.....lb. .52 - .54
Nitrate, crude, c.l., 100-lb. bgs., May-June delivery, f.o.b. cars producing point or ports, rail or boat shipment..ton. 29.00 - —
200-lb. bgs., same basis... ton. 28.30 - —
bulk, same basis.....ton. 27.00 - —
rfd., gran., bbls., 10 tons.. 100 lbs. 2.50 - —
1-9 tons.....100 lbs. 2.65 - —
smaller lots.....100 lbs. 2.90 - —
pwd., bbls., ton lots.100 lbs. 5.65 - —
smaller lots.....100 lbs. 5.90 - —
Nitrite, 96-98%, dom., bbls., c.l., works, frt. equalized.lb. .06¾- —
c.l., West Coast, f.o.b. f.o.b. ports..lb. .08 - —
l.c.l.....lb. .08½- .11½
Soda nitrite l.c.l. price range represents delivery at various points.
Oxalate, neut., bbls.....lb. .09 - —
kgs.....lb. .11 - —
Perborate, N.F., bbls., c.l., works..lb. .14¾- —
l.c.l works.....lb. .15¾- —
Phosphate, dibasic, tech., bgs., c.l., works.100 lbs. 1.85 - —
c.l., works..100 lbs. 1.85 - —
l.c.l., works.....100 lbs. 2.25 - —
bbls., c.l., works...100 lbs. 2.05 - —
l.c.l., works.....100 lbs. 2.40 - —
monobasic, anhyd., bbls., c.l., 100 lbs. 7.45 - —
l.c.l.....100 lbs. 8.20 - —
tribasic, bgs., c.l., works, 100 lbs. 2.00 - —
l.c.l., works.....100 lbs. 2.40 - —
bbls., c.l., works...100 lbs. 2.20 - —
l.c.l., works.....100 lbs. 2.60 - —
kgs., c.l., works....100 lbs. 2.70 - —
l.c.l., works.....100 lbs. 3.10 - —
Picramate, kgs.....lb. .65 - —
Prussiate, yellow, bbls., works, lb. .09½- .10
Pyrophosphate, anhyd., c.l. bgs. 100 lbs. 8.00 - —
bbls.....100 lbs. 8.20 - —
l.c.l., bgs.....100 lbs. 8.80 - 9.05
bbls.....100 lbs. 9.00 - 9.25

IT'S IN THE BAG

A fine white powder flows from the hopper . . . down through modern packaging machinery . . . on into a sturdy container. Operator Sargent Griffin pulls a lever . . . and another bag of Mathieson Soda Ash starts on its way to American Industry.

●

WHETHER the soda ash you buy represents a major raw material purchase or is merely incidental, you use care in selecting your source of supply. First, of course, you ask the natural questions about quality, price and delivery. But you also want to know something about the company with which you are to deal—its policies, its resources, its facilities for rendering service.

"Mathieson Chemicals" is a 36-page booklet designed to furnish you with usable buying information and to give you an opportunity to examine the background of the Mathieson organization. It contains a brief history of the company, concise product and package specifications, flow charts, plant photographs and other interesting material.

If you would like to have a copy of this booklet, just write to The Mathieson Alkali Works (Inc.), 60 East 42nd Street, New York, N. Y.

MATHIESON CHEMICALS

SODA ASH . . . CAUSTIC SODA . . . BICARBONATE OF SODA . . . LIQUID CHLORINE . . . BLEACHING POWDER
HTH AND HTH-15 . . . AMMONIA, ANHYDROUS AND AQUA . . . PH-PLUS (FUSED ALKALI) . . . SULPHUR CHLORIDE
CCH (INDUSTRIAL HYPOCHLORITE) . . . DRY ICE (CARBON DIOXIDE ICE) . . . ANALYTICAL SODIUM CHLORITE

Soda, pyrophosphate, crystals, bgs..100 lbs. 7.80 - —
bbls. .....100 lbs. 8.00 - —
l.c.l., bgs.....100 lbs. 8.30 - 8.55
bbls. .....100 lbs. 8.50 - 8.75

Soda pyrophosphate anhydrous and crystal prices are delvd.—Me., N. H., Vt., Mass., Conn., N. J., N. Y., R. I., Del., Md., D. of C., and Pa., east of Altoona. Other territory, f.o.b. works, for equalized with producing points.

Ricinoleate, tech., bbls.....lb. .12 - —
Sal, bgs., dlvd., N. Y...100 lbs. 1.20 - —
works .....100 lbs. 1.00 - —
bbls., dlvd. N. Y.....100 lbs. 1.30 - —
works .....100 lbs. 1.10 - —
Salicylate, bxs.....lb. .52 - —
Sesquisilicate, dms., c.l., works. 100 lbs. 3.00 - —
20 dms. and up, dlvd.N.Y.C. 100 lbs. 3.65 - —
5-19 dms.....100 lbs. 4.10 - —
1-4 dms.....100 lbs. 4.30 - —
Silicate, 40° turbid., dms., c.l., works..100 lbs. .80 - —
l.c.l., 5 or more, works.. 100 lbs. 1.05 - —
1-4, works.....100 lbs. 1.20 - —
52°, dms., c.l., works..100 lbs. 1.40 - —
l.c.l., 5 or more, works.. 100 lbs. 1.65 - —
1-4, works.....100 lbs. 1.80 - —
Silicofluoride, dom., bbls.....lb. .05¾- .06
import., bbls. .....lb. .05 - .05½
Stannate, dms.....lb. .26 - .29
Stearate, lump, powd., bbls., works..lb..lb. .19 - .24
Sulphate, anhyd., bgs., bbls., c.l., works.....100 lbs. 1.45 - 1.65
5 tons or over, works..... 100 lbs. 1.70 - 1.90
less than 5 tons, works... 100 lbs. 1.95 - 2.15
cryst. (see Glauber's salt).
Sulphide cryst., bbls., c.l., works..100 lbs. 2.25 - —
l.c.l., 5 tons or over, dlvd.. 100 lbs. 2.75 - —
less than 5 tons, dlvd.. 100 lbs. 3.00 - —
solid, bbls., c.l., works.100 lbs. 3.00 - —
l.c.l., 5 tons or over, dlvd. 100 lbs. 3.50 - —
less than 5 tons, dlvd. 100 lbs. 3.75 - —
Sulphite, cryst., bgs., works.. 100 lbs. 2.10 - 2.35
bbls. .....100 lbs. 2.30 - 2.55
powd., bbls., c.l.....100 lbs. 5.25 - —
l.c.l., 5 or more...100 lbs. 5.50 - —
1-4 .....100 lbs. 6.00 - —
Sulphocarbolate, cs.....lb. .27 - .28
Sulphocyanide, dms., cns....lb. .28 - .47
Sulphoricinoleate, bbls.....lb. .12 - —
Thiosulphate (see hyposulphite).
Tungstate, CP, kgs.....lb. 2.00 - 2.10
tech., kgs. .....lb. 1.30 - 1.35
Solvent naphtha, high-flash, dms., works, frt. equald..gal. .36 - —
tanks, same basis.....gal. .31 - —
water-white, dms., works..gal. .35 - —
tanks, E. of Omaha, frt. alld..gal. .30 - —
W. of Omaha, works.gal. .30 - —
Sorbitol, com'l, solut., dms., c.l., works..lb. .18 - —
l.c.l. .....lb. .19- —
Sparteine sulphate, cns.....oz. 1.00 - 1.05
Spearmint leaves, bls.....lb. .19 - .20
Spikenard root, bls.....lb. .12 - .13
Spruce extract, bbls., works...lb. .01½- —
tanks, works.....lb. .01½- —
powd., bgs.....lb. .04 - —
super, bbls., works.....lb. .01¾- —
tanks, works.....lb. .01¾- —
Squawvine leaves, bls.....lb. .16 - .17
Squill red, bls.....lb. .14 - .15
White, bls.....lb. .06 - .07
powd., bbls., bxs.....lb. .12 - .13
St. Ignatius beans, bgs.....lb. .45 - .50
St. John's bread, bls.....lb. .06½- .07
Starch, corn, pearl, bgs., f.o.b. Chicago..100 lbs. 2.60 - 2.80
l.c.l., dlvd., N.Y....100 lbs. 3.16 - —
powd., bgs., f.o.b. Chicago, 100 lbs. 2.70 - 2.90
l.c.l., dlvd., N.Y....100 lbs. 3.26 - —
Potato, dom., bgs.....lb. .04 - .05
import, bgs.....lb. .05 - .06
Rice, bbls.....lb. .06¼- .07¼
Wheat, thick boil, bbls.....lb. .06¼Nom.
Staveacre seed, bgs. .....lb. .17 - .18
Stearin, oleo, bbls.....lb. .06 - .06¼
Stillingia root, bls..... .....lb. .09 - .10
Stoneroot, bls.....lb. .07½- .08
Storax, cs.....lb. .48 - .49
Stramonium leaves, bls.....lb. .10½- .12
Seed, bgs.....lb. .09 - .10
Strontium bromide, fib, dms..lb. .57 - .58
kgs., 150 lbs.....lb. .55 - —
Carbonate, N.F., IV, 256-lb. bbls..lb. .30 - —
25-lb. bxs.....lb. .35 - —
100-lb. kgs.....lb. .32 - —
Chloride, bbls. .....lb. 13½- —
Iodide, jars, 25 lbs.....lb. 2.70 - —
bots., 5 lbs.....lb. 2.75 - —
Nitrate, dom., bbls., c.l., works..lb. .08¼- —
25 bbls. and over.....lb. .08¾- —
1-4 bbls. and over.....lb. .09¼- —
import, bbls.....lb. .08¼- .09¼
Strophanthus seed, Kombe, bgs.lb. 1.20 - 1.25
Strychnine, cryst., cns., 100-oz. lots..oz. .39 - —
powd., cns., 100-oz. lots...oz. .29 - —
Acetate, 25-oz. cns., 100-oz. lots..oz. .57 - —
Arsenate, 25-oz. cns., 100-oz. lots..oz. .60 - —
Arsenite, 25-oz. cns., 100-oz. lots..oz. .57 - —
Glycerophosphate, 25-oz. cns., 100-oz. lots..oz. .59 - —
Hydrochloride, 25-oz. cns., 100-oz. lots..oz. .57 - —
Hypophosphite, 25-oz. cns., 100-oz. lots..oz. .68 - —
Nitrate, 25-oz. cns., 100-oz. lots..oz. .50 - —
Phosphate, 25-oz. cns., 100-oz. lots..oz. .59 - —
Sulphate, cryst., cns., 100-oz. lots..oz. .35 - —
powd., cns., 100-oz. lots. oz. .25 - —
Styralyl acetate, bots.....lb. 6.75 - 7.00
Sucrose octa-acetate, denat., grade, bbls., l.c.l., works..lb. .45 - —
tech., bbls., l.c.l., works....lb. .40 - —
Sugar coloring, bbls.....gal. .70 - 1.10
Milk., bbls., c.l.....lb. .15 - —
l.c.l., 10 or over.....lb. .16 - —
less than 10.....lb. .17 - —
Sulfanilamide, 5 lb. bots.....lb. 1.45 - —
fib., dms., 1,000 lbs., 1 delivery, lb. 1.00 - —
100 lbs.....lb. 1.05 - —
Sulphonethylmethane, kgs.....lb. 6.75 - 6.80
Sulphonmethane, kgs.....lb. 5.25 - 5.30
Sulhpur, crude, bulk, 1,000 tons, mines, contracts, long ton.18.00 - —
c.l., spot, nearby, long ton.21.00 - —
Sulphur, crude, bulk, ex vessel, Balto., N. Y., Phila., Southern ports..long tons.22.00 -25.00
Bost., Portland..long ton.22.50 -25.50
flowers, bgs., c.l., works.100 lbs. 3.00 - —
bbls., works.....100 lbs. 3.25 - —
l.c.l., bgs., works..100 lbs. 3.25 - 3.75
bbls., wks.....100 lbs. 3.70 - 4.10

Sulphur, refined, broken, bgs., c.l., works..100 lbs. 2.15 - —
bbls., works.....100 lbs. 2.30 - —
l.c.l., bgs., works..100 lbs. 2.50 - 2.90
bbls., works.....100 lbs. 2.65 - 3.05
flour, comm'l, bgs., c.l., works, 100 lbs. 1.65 - —
bbls., c.l., works..100 lbs. 1.95 - —
l.c.l., bgs., works..100 lbs. 1.95 - 2.35
bbls., works.....100 lbs. 2.60 - 2.70
extra fine, bgs., c.l., works, 100 lbs. 2.85 - —
bbls., works....100 lbs. 3.20 - —
heavy, bgs, c.l., works.100 lbs. 2.55 - —
bbls., works....100 lbs. 2.90 - —
l.c.l., bgs., works..100 lbs. 2.90 - 3.30
bbls., works....100 lbs. 3.25 - 3.65
light, bgs., c.l., works..... 100 lbs. 2.65 - —
bbls., works....100 lbs. 3.00 - —
l.c.l., bgs., works..100 lbs. 3.00 - 3.40
bbls., works....100 lbs. 3.35 - 3.75
rock, virgin, bbls., c.l., works, 100 lbs. 2.30 - —
l.c.l., bbls., works.100 lbs. 2.15 - —
roll, bgs., c.l., works..100 lbs. 2.35 - —
bbls., works....100 lbs. 2.50 - —
l.c.l., bgs., works..100 lbs. 2.70 - 3.10
bbls., works....100 lbs. 2.85 - 3.25
Chloride, 55-gal. dms., c.l....lb. .03 - —
l.c.l., dms., works....lb. .04 - —
10-gal. dms., c.l.....lb. .07 - —
l.c.l. .....lb. .08 - —
Dioxide, liq., com'l, cyls., works..lb. .07 - .09
multi-unit cars, works..lb. .04½- .07
tanks, works.....lb. .04 - .05
refrigeration, cyls., works.lb. .16 - .40
multi-unit cars, works..lb. .07½- .10
Iodide bots., jars.....lb. 3.80 - 3.85
Sumac, grd., Sicilian, bls....ton.64.00 - —
leaf, bales.....ton.67.00 - —
Extract, 42°, bbls.....lb. .05¼- .06¼
51°, bbls.....lb. .06½- .08¼
stainless, bbls.....lb. .06½- .08¼
Sunflower seed, Calif., large, bgs., lb. .0590- .0600
medium, bgs. .....lb. .04½- .05
poultry, bgs.....lb. .03½- .04
Superphosphate, guaranteed, 16%, bulk, f.o.b. cars, boat, Balto. ton. 8.50 - —
run-of-pile, basis 16%, bulk, same basis..ton. 8.00 - —
triple, 44-45%, a.p.a. bulk, f.o.b. Balto..unit-ton. .75 Nom.

T

Talc, dom., Calif., 1, bgs., c.l., mills..ton.20.00 - —
2, bgs., c.l., mills.....ton.17.00 - —
N. Y., fibrous, 93-94%, 325 mesh, bgs., c.l., mills, ton.14.00 - —
l.c.l., mills.....ton.16.00 - —
96-98%, 325 mesh, bgs., c.l., mills..ton.15.00 - —
l.c.l., mills.....ton.17.00 - —
98-99½%, 325 mesh, bgs., c.l., mills..ton.15.25- —
l.c.l., mills.....ton.17.25 - —
99.85-99.95%, 325 mesh, bgs., c.l., mills...ton.17.00 - —
coarse, off color, bgs., c.l., mills..ton.11.00 -13.00
Ohio, alum-magn. type, grd., bgs., c.l., mills..ton.21.00 - —
l.c.l., mills.....ton.24.00 - —
Vermont, bgs., c.l., mills, ton.14.00 - —
l.c.l., ex whse.....ton.25.00 - —
Canad., bgs., c.l., mills...ton.11.50 -13.00
French, high-grade, bgs., l.c.l., ex whse..ton.45.00 -60.00
ordinary, bgs., c.l., ex dock, arrival..ton.23.00 -25.00
l.c.l., ex whse.....ton.27.50 -32.50
Italian, 1, bgs., ex dock, arrival..ton.65.00 -67.00
ex whse.....ton.85.00 - —
2, bgs., ex dock, arrival.ton.60.00 -62.00
Tallow, animal, edible, bbls...lb. .06¼ Nom.
extra, loose, works.....lb. .05½- —
special, loose, works.....lb. .04⅝- —
sulphonated 35% (24% fat), dms., c.l..lb. .05 - .05½
l.c.l .....lb. .06 - .06½
50% (43% fat) dms., c.l..lb. .07 - .07½
l.c.l. .....lb. .08 - .08½
50% (48% fat), dms., c.l..lb. .07¼- .08
l.c.l. .....lb. .08½- .09
Tamarind, W. I., bbls.....lb. .06 - .06½
kegs .....keg. 5.00 - 5.25
Tankage, animal, dom., grd., 10-12%, ammon., 15-20% b.p.l., bulk..unit-ton. 2.50 & .10
unground, 9-11% ammon., 15-20% b.p.l., bulk..... unit-ton. 2.60 & .10
fertilizer grade, 10-11% ammon., 15% b.p.l., bulk, Chicago..unit-ton. 2.45 & .10
high-grade feeding, bulk, Chicago...unit-ton. 2.75 & .10
import., S. Amer., 10-12% ammon., 15% b.p.l., bulk, c.i.f. ports ship. unit-ton. 3.00 & .10
Tansy leaves, bls.....lb. .18 - .19
Tapioca, flour, bgs.....lb. .02 - .05½
Tar acid oil, 15%, dms., c.l., works..gal. .22½- —
l.c.l., same basis.....gal. .25½- —
25%, dms., c.l., works....gal. .26½- —
l.c.l., same basis.....gal. .29½- —
Pine, retort, dms., c.l., dlvd. E. cities..gal. .26 - —
dlvd., ports.....gal. .25 - —
l.c.l. .....gal. .26 - —
tanks, dlvd. E. cities....gal. .20 - —
Tartar emetic tech., fine gran., bbls., 5 or more..lb. .26¾- —
less than 5.....lb. .27 - —
powd., bbls., 5 or more..lb. .26¾- —
less than 5.....lb. .27 - —
USP, powd., bbls.....lb. .32 - .32½
Terebene, cans.....lb. .70 - .75
Terpinyl acetate, cns.....lb. .77 - 1.00
Terpin hydrate, kgs.....lb. .45 - .46
Terpineol, CP, cns.....lb. .25 - —
dms. .....lb. .23 - —
Terpineol, alpha, denat. grade, dms., c.l., wks., net wgt..lb. .17 - —
Terra alba (see Gypsum).
Tetrachloroethane, dms.,works.lb. .08 - .08½
Tetrachloroethylene, CP, dms..lb. .21½- —
tech., dms.....lb. .09½- —
Tetralin, dms.....lb. .12 - —
Thallium sulphate, 90% pure, dms. works..lb. 7.25 - 7.50
Theobromine, cns.....lb. 2.10 - 2.40
Sodiosalicylate, cns.....lb. 1.75 - 1.85
5-lb. bots. .....lb. 2.01 - —
Thiocarbanilide, dms.....lb. .24 - —
Thorium nitrate, cs., works...lb. 2.00 - —
Thyme, French, bls.....lb. .17 - .17½
Thymol, dms., 100 lbs.....lb. 1.50 - —
cns., 25 lbs.....lb. 1.55 - —
Iodide, kgs., 50 lbs.....lb. 3.15 - 3.20
25 lbs.....lb. 3.25 - 3.30
Tin crystals, bbls., kgs.....lb. .31½- .32
Metal, Straits.....lb. .37¾- —
Oxide, bbls.....lb. .46 - .48
Tetrachloride, anhyd., bbls...lb. .19¼- —

Titanium, dioxide, bgs., c.l. (20 tons), E. frt. alld..lb. .16 - —
Pac, cst., f.o.b. terminals, lb. .16 - —
l.c.l., 1,000-39,999 lbs., E. dlvd..lb. .16½- —
Pac. cst., ex whse...lb. .16½- —
50-999 lbs., E, dlvd.....lb. .16¾- —
Pac. cst., ex whse....lb. .16¾- —
under 50 lbs., E. dlvd..lb. .19 - —
Pac. cst., ex whse....lb. .19 - —
bbls., c.l. (20 tons), E. frt. alld..lb. .16¾- —
l.c.l., 1,000-39,999 lbs., E. dlvd..lb. .16¾- —
50-999 lbs., E. dlvd.....lb. .17 - —
phthalate-treated, bgs., c.l., (20 tons) E. frt. alld..lb. .24 - —
Pac. cst., f.o.b. terminal..lb. .24 - —
l.c.l., 1,000-39,999 lbs., E. dlvd..lb. .24½- —
Pac. cst., ex whse..lb. .24½- —
50-999 lbs., E. dlvd.....lb. .24¾- —
Pac. cst., ex whse..lb. .24¾- —
under 50 lbs.....lb. .27 - —
bbls., c.l. (20 tons) E. frt. alld..lb. .24¼- —
l.c.l., 1,000-39,999 lbs., E. dlvd..lb. .24¾- —
50-999 lbs., E. dlvd...lb. .25 - —
pigment, barium, calcium, or magnesium base, c.l., E. frt. alld.....lb. .05½- —
Pac. cst., f.o.b. terminal, lb. .05½- —
l.c.l., E. dlvd.....lb. .06½- —
Pac. cst., ex whse..lb. .06½- —
under 50 lbs., E. dlvd.lb. .06¾- —
bbls., c.l., E., frt. alld...lb. .06½- —
l.c.l., E., dlvd.....lb. .06¾- —
Tolidin base, kgs.....lb. .88 - .90
distilled, kgs.....lb. .95 - 1.00
Tolu, balsam, cns.....lb. .45 - .50
Toluidin, mixed, dms.....lb. .26 - —
Toluol (toluene), pure, dms., works..gal. .35 - —
tanks, E. of Omaha, frt. alld. gal. .30 - —
W. of Omaha, works....gal. .30 - —
Tonga vine, NF, bls.....lb. .26 - .27
root, bls.....lb. .30 - .31
Tonka beans, Angostura, cks..lb. 2.50 - 2.60
Triacetin, dms.....lb. .26 - —
Triamyl borate, dms., l.c.l., works..lb. .27 - —
Triamylamine, dms., c.l., works, lb. .77 - —
l.c.l., works.....lb. .80 - —
Tributylamines, dms., l.c.l., works lb. .70 - —
Trichloroethylene, dms., c.l., works, frt. alld. Zone A..lb. .09 - —
l.c.l., dms. .....lb. .095 - —
Trichloroethylene, dms., Zone B, c.l..lb. .105 - —
l.c.l., dms.....lb. .110 - —
Zone C, dms., l.c.l.....lb. .105 - —
Zone A is East of the Rockies; B takes in Rocky Mountain States, and Zone C represents Pacific Coast States.
Tricresyl phosphate, CP, cns., dlvd..lb. .42 - .58
dms., c.l., dlvd.....lb. .36 - —
500 lbs., dlvd.....lb. .39 - —
tech., 1, dms., c.l.....lb. .24½- —
500 lbs., dms.....lb. .25 - —
less than 500 lbs., dms.lb. .28 - .39
2, dms., c.l.....lb. .23½- —
500 lbs., dms.....lb. .24 - —
less than 500 lbs.....lb. .27 - .38
Triethanolamine, dms., c.l., works, lb. .21 - —
l.c.l., works.....lb. .22 - —
tanks, works.....lb. .20 - —
Triethyleneglycol, dms., l.c.l., works..lb. .26 - —
Triphenyl phosphate, dms.....lb. .34 - —
Tripoli, air-floated, bgs., c.l., works..ton.26.00 - —
double-grd., bgs., c.l., works, ton.16.00 - —
once-grd., bgs., c.l., works..ton.14.50 - —
Trisodium phosphate (see Soda phosphate, tribasic).
Tungsten metal, powd., 99%, dms., wks..lb. 2.80 - 3.10
Oxide, CP, kgs.....lb. 2.90 - 3.00
tech., kgs. .....lb. 2.10 - 2.20
Turmeric root, Alleppey, bgs..lb. .05¾- .06¼
Madras, bgs.....lb. .06¼- .07
Turpentine, spirits, gum, bbls., c.l., ex dock..gal. .28½- —
l.c.l., 10, ex dock.....gal. .30½- —
5, ex dock.....gal. .32½- —
wood, dest.-dist., dms., c.l., dlvd. E. cities, ports...gal. .36 - —
l.c.l., same basis....gal. .38 - —
tanks, dlvd. E. cities..gal. .33 - —
steam-dist., dms., c.l., dlvd.gal. .27 - —
l.c.l., dlvd.....gal. .30 - —
tanks, dlvd.....gal. .22 - —

U

Unicorn root, false (see Helonias root).
True (see Aletris root).
Uranium oxide, kgs.....lb. 1.50 - —
Urea, dom., 46 + % N, bgs., 5 tons, f.o.b. Atl. ports or Belle, W. Va..ton.95.00 - —
smaller lots, f.o.b. Belle, W. Va..ton.95.00 - —
f.o.b. N. Y.....ton.101.00 - —
import, 46% N. bgs., 5 tons, f.o.b. Atl., Gulf ports or Belle, W. Va., shipt..ton.95.00 - —
smaller lots, f.o.b. N. Y. from whse.101.00 - —
pure, cs. .....lb. .14½- .15½
Urea-ammonia liquor 55% ammon., tanks, f.o.b. Belle, W. Va., or Atl., Gulf ports. NH_3 unit. 1.04 - —
Uva ursi leaves, bls.....lb. .10 - .11

V

Valerian root, bls.....lb. .10 - .11
Valonia, beards, bgs., shipt..ton.49.00 - —
Cups, bgs., shipt.....ton.35.00 -37.00
extract, powdered, 63%.....lb. .06 - —
Vanilla beans, Bourbon, tins..lb. 3.35 - 3.75
Mexican, tins.....lb. 4.25 - 4.50
cut, tins.....lb. 3.35 - 3.75
South American, tins.....lb. 3.60 - 3.75
Vanillin, ex eugenol, 25-lb. tins, lb. 2.75 - —
5-lb. tins .....lb. 2.85 - —
Vanillin, ex guaiacol, 10c. per lb. less.
Venice turpentine, true, cs.....lb. .42 - .44
Verdigris, bbls., kgs.....lb. .24 - .30
Violet, methyl, toner (see M).
V.M.P. naphtha (see petroleum naphtha, v.m.p.).

W

Wahoo root bark, bls.....lb. .48 - .49
Tree bark, bls.....lb. .22 - .23
Wattle bark, bgs., shipt.....ton.39.75 -41.75
Extract, bbls. .....lb. .04¾- —
Wax, bayberry, import, bgs...lb. .16¾- .17
Bees, white, bleach, slabs, cs., 500 lbs. .38 - .39

Soda Pyro.—Xylidin

Wax, bees, yellow, crude, Africa, bgs., lots of 10..lb. .24 - .25
1 bg.....lb. .24½- .25½
Brazil, Chile, bgs., 5-10 tons, lb. .25½- .26
1 ton.....lb. .26 - .26¼
500 lbs.....lb. .26½- .27
100 lbs.....lb. .27 - .27¼
refd., slabs, cs., lbs...lb. .29 - .32
Candelilla, bgs., 1 ton.....lb. .14½- .15
jobbing lots .....lb. .15 - .15½
Carnauba, No. 3, bgs., chalky, 1 ton..lb. .31½- .32
5 bgs .....lb. .32 - .32½
1 bg .....lb. .32½- .33
N. C. 2, bgs.....lb. .35½- .36
N. C. 3, bgs., 1 ton.....lb. .31½- .32
5 bgs. .....lb. .32 - .32½
1 bg. .....lb. .32½- .33
refined, bgs. .....lb. .35 - .35½
yellow, No. 1, bgs., 1 ton..lb. .37 - .37½
5 bgs. .....lb. .37½- .38
1 bg. .....lb. .38 - .38½
No. 2, bgs.....lb. .36 - .36½
Ceresin, dom., 138°140° m.p., bgs., 1 ton..lb. .08½- —
jobbing lots .....lb. .09½- —
150°-160° m.p., bgs., 1 ton.lb. .09½- —
jobbing lots .....lb. .10½- —
160° m.p., bgs., 1 ton.....lb. .10½- —
jobbing lots .....lb. .11½- —
Japan, cs.....lb. .10 - .10¼
Montan, bgs., c.l.....lb. .11 - —
5 tons .....lb. .11¼- .11⅛
less than 1 ton.....lb. .11⅛- .12
Ozokerite, hard green, congeal p. 66°-68° C., bgs..lb. .62 Nom.
70°-72° C., bgs.....lb. .35 Nom.
74°-76° C., bgs.....lb. .38 Nom.
snow-white, pure 76°-78° C., bgs..lb. .45 - .46
yellow, natural, 76°-78° C., bgs..lb. .35 - .36
Paraffin (see P).
Spermaceti, blocks, cs.....lb. .23 - .24
cakes, cs. .....lb. .24 - .25
White lead (see Lead, white).
White pine bark, rossed, bls...lb. .06 - .06¼
White precipitate, powd., 5-lb. bots..lb. 1.51 - —
dms., 50 lbs., or more...lb. 1.39 - —
Whiting, chalk, com'l., dry-grd., bip. bgs., c.l., works..ton.12.00 - —
l.c.l., works.....ton.14.00 - —
bbls., c.l., works.....ton.15.00 -16.50
l.c.l., works.....ton.17.00 - —
pap bgs., c.l., works..ton.11.20 -13.50
l.c.l., works.....ton.13.20 -14.50
wet-grnd., bip., bgs., c.l., works..ton.14.50 -15.00
l.c.l., works.....ton.15.00 -19.00
bbls., c.l., works.....ton.17.00 -18.00
gilder's bolted,bip., bgs., c.l., works..ton.15.00 - —
l.c.l., works.....ton.16.00 - —
bbls., c.l., works.....ton.18.00 -19.50
l.c.l., works.....ton.19.00 -20.00
pap. bgs., c.l., works..ton.14.60 -15.50
l.c.l., works.....ton.15.60 -16.50
Paris white, bip., bgs., c.l., works..ton.15.00 - —
l.c.l., works.....ton.16.00 - —
bbls., c.l., works.....ton.18.60 -24.00
l.c.l., works.....ton.19.00 -25.00
pap. bgs., c.l., works..ton.14.60 -20.00
l.c.l., works.....ton.15.60 -21.50
English cliffstone (see Whiting, chalk, Paris white).
limestone, air floated, 99.75%, 250 mesh, paper bgs., c.l., ton.. 9.35 - —
99.75% 200 mesh, paper bgs., c.l., same basis.ton. 8.60 - —
99% 200 mesh, paper bgs., c.l., same basis.....ton. 6.25 - —
gilders, bgs, (extra), c.l., works..ton.11.50 - —
l.c.l., 8-20 tons, works.ton.12.50 - —
4-8 tons, works.....ton.13.50 - —
2-4 tons, works.....ton.14.50 - —
extra, bgs., (extra), c.l., works..ton.12.50 - —
l.c.l., 8-20 tons, works, ton.13.50 - —
4-8 tons, works....ton.14.50 - —
2-4 tons, works.....ton.15.50 - —
putty grade, bgs. (extra), c.l., works..ton.11.00 - —
l.c.l., 8-20 tons, works.ton.12.00 - —
4-8 tons, works.....ton.13.00 - —
2-4 tons, works.....ton.14.00 - —
water-floated, bgs., (extra), c.l., works..ton.11.50 - —
l.c.l., 8-20 tons, works.ton.12.50 - —
4-8 tons, works.....ton.13.50 - —
2-4 tons, works.....ton.14.50 - —
Precipitated, bgs., c.l., works, ton.15.00 - —
l.c.l., 5 tons, works....ton.20.00 - —
smaller lots, works....ton.25.00 - —
Wild cherry bark, thick, natural, bls..lb. .04½- .05
rossed, bls.....lb. .06 - .07
thin, natural, bls.....lb. .06 - .07
rossed, green, bls.....lb. .10 - .11
Wild indigo root, bgs.....lb. .09 - .10
Witch-hazel extract, dist., NF. bbls..gal. .40 - .45
Leaves, bls.....lb. .07 - .08
Witherite (see Barium carbonate, natural).
Woodflour, dom., fine, bgs., extra, c.l., works..ton.25.00 - —
standard, bgs., c.l., works.. ton.20.00 - —
import, 40-60 mesh, bgs., ex dock..ton.20.00 - —
70-80 mesh, bgs., ex dock.ton.22.00 - —
100 mesh, bgs., ex dock...ton.27.00 - —
120 mesh, bgs., ex dock...ton.33.00 - —
Wormseed, American, bgs....lb. .10 - .11
Levant, bgs.....lb. 3.90 - 4.00
Wormwood, bls.....lb. .08 - .60

X

Xylol (xylene), comi., dms., works..gal. .35 - —
tanks, E. of Omaha, frt. alld., gal. .30 - —
W. of Omaha, works...gal. .30 - —
nitration tanks, E. of Omaha frt. alld..gal. .41 - —
W. of Omaha, works....gal. .41 - —
5°, dms., works.....gal. .41 - —
tanks, E. of Omaha, frt., alld., gal. .36 - —
W. of Omaha, works....gal. .36 - —
Xylol, 10°, dms., works.....lb. .38 - —
tanks, E. of Omaha, frt. alld., gal. .33 - —
W. of Omaha, works....gal. .33 - —
Xylidin, mixed, dms.....lb. .35 - .36

Yara Yara—Bakelite

Y

Yara yara, cryst., cns.....lb. 1.25 - 1.50
Yellow, cadmium, CP, import., bxs..lb. 1.80 - 2.50
lithopone, all shades, bbls., 1 ton, works, frt. alld.lb. .45 - —
smaller lots, same basis, lb. .50 - —
kgs., ton lots, same basis, lb. .50 - —
smaller lots, same basis, lb. .55 - —
sulphide, orange, bbls., works, lb. 1.50 - —
Chrome, CP, bbls., dlvd. N. of Tenn. and N.C., E. of Miss. R., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts..lb. .14½- —
open order.....lb. .15½- —
Chrome yellow CP prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1½c.), Miss., N. C., S. C., Tenn., Tex., (Dallas, Ft. Worth, 1½c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Dutch pink, bbls.....lb. .09 - .11
Hansa, bbls., same basis, chrome..lb. 1.37 - —
Mercury oxide (see M).
Ocher, Amer., golden, A, bbls., works..lb. .06¼- —
B, bbls., works.....lb. .04½- —
C, bbls., works.....lb. .03½- —
yellow, A, bbls., works...lb. .02¾- —
B, bbls., works.....lb. .02½- —
C, bbls., works.....lb. .02 - —
D, bbls., works.....lb. .0195- —
E, bbls., works.....lb. .01775- —
F, bbls., works.....lb. .01½- —
G, bbls., works.....lb. .01¼- —
H, bbls., works.....lb. .01⅛- —
French, all shades, cks., c.l., ex dock Balto., Boston, N. Orleans, for import. lb. .02475- —
New York (f.o.b.)..lb. .02¾- —
Philadelphia, for import..lb. .02¾- —
Portland, Seattle....lb. .03 - —
San Pedro, S. Francisco..lb. .0290- —
l.c.l., ex dock, Balto, Boston, N. Orleans..lb. .02575- —
New York.....lb. .02½- —
Philadelphia, for import..lb. .02¾- —
Portland, Seattle....lb. .03½- —
San Pedro, S. Francisco..lb. .03 - —
ex whse., Balto., Boston, N. Orleans..lb. .02725- —
Chicago, E. St. Louis, Ind'polis, K. City, Milwauk., St. Louis. lb. .03⅝- —
Mnneapolis .....lb. .03½- —
New York.....lb. .02¾- —
Yellow, ocher, French, all shades, cks., l.c.l., ex whse., Pittsburgh..lb. .03½- —
Portland, Seattle...lb. .03⅝- —
San Pedro, S. Francisco..lb. .03½- —
f.o.b. N. Y., from dock, lb. .02⅝- —
from whse.....lb. .02¾- —
Oxide, nat., bbls., c.l., f.o.b. Bethlehem Easton, N.Y. lb. .04½- —
l.c.l., same basis.....lb. .04¾- —
synth,, bbls., c.l., works...lb. .06½ —
l.c.l., works .....lb. .06¾- —
Persian orange (see O).
Zinc, bbls., same basis chrome CP. contracts..lb. .18 - —
open order .....lb. .19 - —
Yellow dock root, bls.....lb. .09 - .10
Yellow root (xanthoriza), bls..lb. .09 - .10
Yerba santa leaves, bls.....lb. .08½- .10
Yohimbine hydrochloride, vls..oz. 2.50 - 2.55

Z

Zinc acetate, tech., bbls., dlvd., lb. .21 - —
USP., bbls., 250 lbs.....lb. .27 - —
kgs., 100 lbs.....lb. .29 - —
Arsenate, bgs., cs., c.l., dealers, E. of Rockies..lb. .12½- —
c.l., bgs., cs.....lb. .13 - —
Arsenite, bgs., cs., c.l., dealers, E. of Rockies..lb. .12½- —
W. of Rockies, bgs....lb. .12½- —
l.c.l., bgs., cs.....lb. .13 - —
W. of Rockies, bgs....lb. .12⅝- —
Zinc arsenate and arsenite price are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for plant or whse. pick-up.
Carbonate, tech., bbls.....lb. .14 - .15
USP, precip., powd., bbls..lb. .31 - —
dms. .....lb. .36 - —
kgs. .....lb. .33 - —
Chloride, fused, dms., c.l., works..100 lbs. 4.25 - —
l.c.l., works.....100 lbs. 4.60 - —
gran., dms., c.l., works, 100 lbs. 5.00 - —
l.c.l., dms., works.100 lbs. 5.75 - —
USP., 200 lb. dms.....lb. .25 - —
25 lb. jars.....lb. .31 - —
solut., dms., wks.....lb. .04½- —
tanks .....lb. .0226- —
Cyanide, kgs., works.....lbfl .33 - —
Dust, bbls., c.l., dlvd.....lb. .0615- —
l.c.l., bbls., dlvd.....lb. .0665- —
Fluoride, bbls.....lb. .20 - .25
Iodide, N.F., bots.....lb. 4.15 - —
jars .....lb. 4.00 - —
Metal (see daily quotations in Market report)
Oxide, pigment, dom., Amer., process, coml., lead - free, bgs., c.l., dlvd..lb. .06¼- .07½
l.c.l., dlvd., except Pac. cst..lb. .06½- .07¾
ex whse., Pac. cst., lb. .06½- .07¾
bbls., c.l., dlvd.....lb. .06½- .07¾
l.c.l., dlvd., except Pac. cst..lb. .06¾- .08
ex whse., Pac. cst..lb. .06¾- .08
leaded, 5%, bgs., c.l., dlvd..lb. .06⅛- —
Zinc, oxide, pigment, dom., Amer., process, leaded, 5%, bgs., l.c.l., dlvd., except ex whse., Pac. cst.lb. .06⅝- —
bbls., c.l., dlvd....lb. .06⅝- —
l.c.l., dlvd., except Pac. cst..lb. .06¾- —
ex whse., Pac.cst.lb. .06¾- —
35%, bgs., c.l., dlvd.lb. .05¾- —
l.c.l., dlvd., except Pac. cst..lb. .06 - —
ex whse., Pac. cst.lb. .06 - —
bbls., c.l., dlvd....lb. .06 - —
l.c.l., dlvd., except Pac. cst..lb. .06¼- —
ex whse., Pac. cst.lb. .06¼- —
50%, bgs., c.l., dlvd..lb. .05¾- —
l.c.l., dlvd., except Pac. cst..lb. .06 - —
ex whse., Pac. cst.lb. .06 - —
bbls., c.l., dlvd.....lb. .06 - —
l.c.l., dlvd., except Pac. cst..lb. .06¼- —
ex whse., Pac. cst.lb. .06¼- —
French process, coml., lead-free, bgs., c.l., dlvd., bbls., c.l., dlvd....lb. .06½- .07¾
l.c.l., dlvd., except Pac. cst..lb. .06½- .07¾
ex whse., Pac. cst.lb. .06½- .07¾
bbls., c.l., dlvd.....lb. .06½- .07¾
l.c.l., dlvd., except Pac. cst..lb. .06¾- .08
ex whse., Pac. cst.lb. .06¾- .08
green seal, bgs., c.l., dlvd., lb. .08 - —
l.c.l., dlvd., except Pac. cst..lb. .08¼- —
ex whse., Pac. cst..lb. .08¼- —
bbls., c.l., dlvd.....lb. .08¼- —
l.c.l., dlvd., except Pac. cst..lb. .08½- —
ex whse., Pac. cst..lb. .08½- —
red seal, bgs., c.l., dlvd., lb. .07½- —
l.c.l., dlvd., except Pac. cst..lb. .07¾- —
ex whse., Pac. cst..lb. .07¾- —
bbls., c.l., dlvd.....lb. .07¾- —
l.c.l., dlvd., except Pac. cst..lb. .08 - —
ex whse., Pac. cst..lb. .08 - —
white seal, bgs., c.l., dlvd., lb. .08½- —
l.c.l., dlvd., except Pac. cst..lb. .08¾- —
ex whse., Pac. cst..lb. .08¾- —
bbls., c.l.....lb. .08¾- —
l.c.l., dlvd., except Pac. cst..lb. .09 - —
ex whse., Pac. cst..lb. .09 - —
import., gold seal, cks., ex whse..lb. .13 - .14
green seal, bbls., ex whse., lb. .10 - —
white seal, cks., ex whse., lb. .11 - .12¼
Oxide, USP, bbls., c.l.....lb. .09½- —
Palmitate, bbls.....lb. .23 - .25
Resinate, fused, pale, bbls...lb. .10 - —
precip., dms., dlvd.....lb. .15 - —
Stearate, tech., precip., bbls., ctns., c.l..lb. .20 - —
l.c.l., 1 ton.....lb. .21 - —
1,000-2,000 lbs.....lb. .22 - —
less than 1,000 lbs..lb. .23 - —
Zinc, stearate, U.S.P., bbls....lb. .21 - .23
Sulphate, cryst., bgs., c.l.100 lbs. 2.75 - —
l.c.l. .....100 lbs. 2.50 - —
bbls., c.l. .....100 lbs. 2.90 - —
l.c.l. .....100 lbs. 2.65 - —
flake, bgs., c.l. .....100 lbs. 3.10 - —
l.c.l. .....100 lbs. 3.85 - —
bbls., c.l. .....100 lbs. 3.25 - —
l.c.l. .....100 lbs. 4.00 - —
powd., bgs., c.l. .....100 lbs. 4.35 - —
l.c.l. .....100 lbs. 5.10 - —
bbls., c.l. .....100 lbs. 4.50 - —
l.c.l. .....100 lbs. 5.25 - —
Sulphide, bgs., c.l. (20 tons), dlvd..lb. .09 - —
l.c.l., dlvd. E. or ex whse., Pac. cst..lb. .09¼- —
bbls., c.l. (20 tons), dlvd..lb. .09¼- —
l.c.l., dlvd. E. or ex whse., Pac. cst..lb. .09½- —
Sulphocarbolate, NF, bbls...lb. .24 - .26
Zinc-ammonia chloride, dms., c.l., works..100 lbs. 5.15 - —
l.c.l., works.....100 lbs. 5.50 - —
Zinc-iron oxide, pigment, bgs., c.l., dlvd..lb. .05 - —
l.c.l., dlvd., except Pac. cst..lb. .05½- —
ex whse., Pac. cst..lb. .05½- —
Zirconium nitrate, kgs., work.lb. 3.00 - 4.00
Oxide, crude, 73-75%, grd., bbls., works..ton.75.00 -100.00
kgs., small lots, works...lb. .04¼- .04½
white, 98%, rgd., kgs., works, lb. 1.40 - 1.52

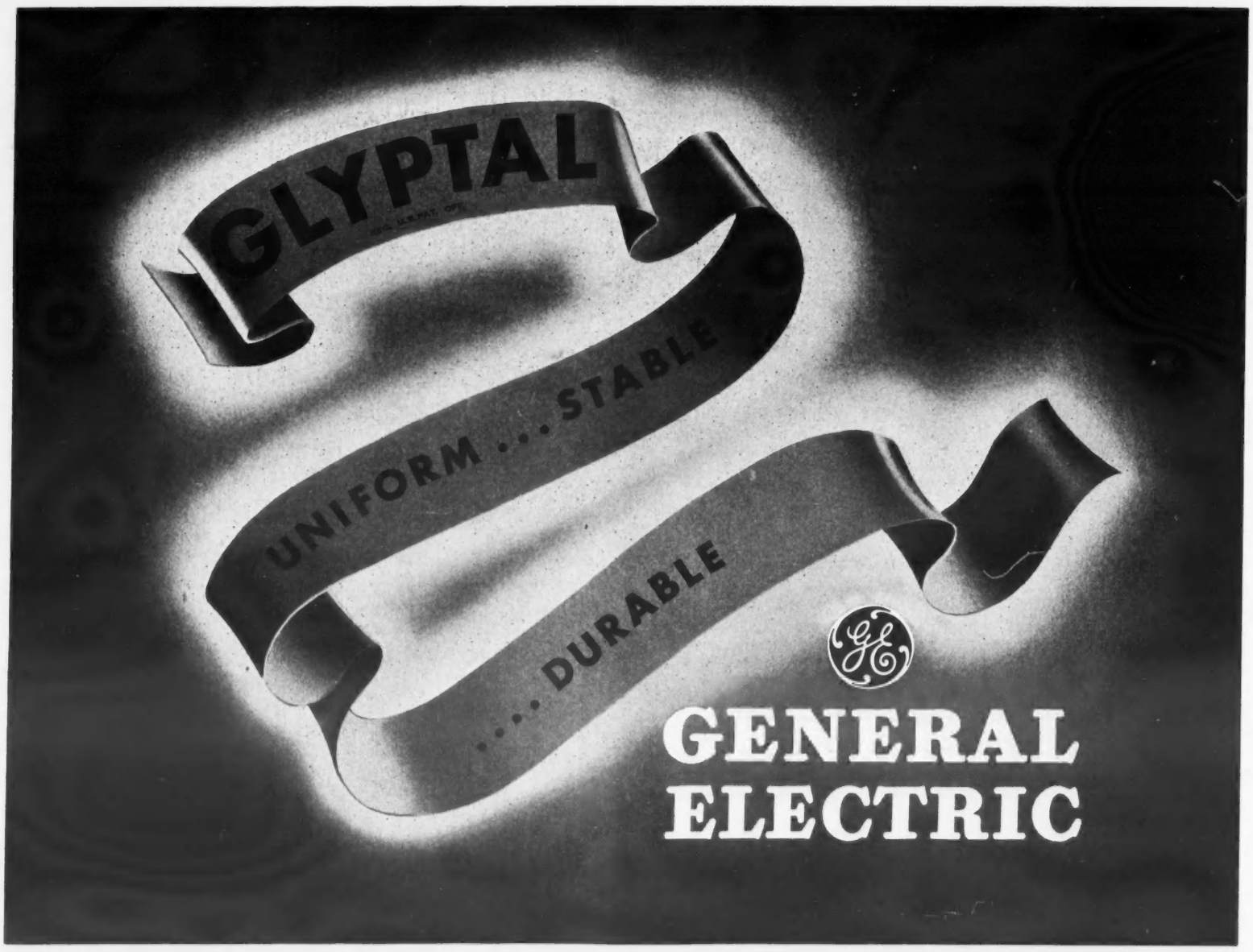
Synthetic Resins
and other
Branded Paint Materials
(Manufacturers' List Prices)

A

Abalyn resin, 55-gal. dms., non-returnable, works..lb. .16 - —
Aroclors, distilled, dms., c.l., works..lb. .23 - —
ton lots, works.....lb. .25 - —
single dms., works.....lb. .27 - —
undistilled, dms., c.l., works, lb. .18 - —
ton lots, works.....lb. .20 - —
single dms., works.....lb. .22 - —

B

Bakelite, gooks, BK, 3962, XK 6791, dms., 30,000 lbs.,works.lb. .22½- —
15,000 lbs., works.....lb. .23 - —
5,000 lbs., works.....lb. .23½- —
lacquer, XR 2342, dms., 30,000 lbs., works..lb. .38 - —
15,000 lbs., works.....lb. .38½- —
5,000 lbs., works.....lb. .39 - —
3180, dms., 30,000 lbs., works..lb. .45 - —
15,000 lbs., works.....lb. .46 - —
5,000 lbs., works.....lb. .47 - —
4357, dms., 30,000 lbs., works..lb. .45 - —
15,000 lbs., works.....lb. .46 - —
5,000 lbs., works.....lb. .47 - —



Bakelite, lacquer, XR 9448, dms., 30,000 lbs., works..lb. .35 - —
15,000 lbs., works.....lb. .36 - —
5,000 lbs., works.....lb. .37 - —
phenolic, 106%, BR, 254, bbls., 30,000 lbs., works..lb. .45 - —
15,000 lbs., works...lb. .46 - —
5,000 lbs., works...lb. .47 - —
1329, bbls., 30,000 lbs., works..lb. .32 - —
15,000 lbs., works...lb. .33 - —
5,000 lbs., works...lb. .34 - —
2987, bbls., 30,000 lbs., works..lb. .32 - —
15,000 lbs., works...lb. .33 - —
5,000 lbs., works....lb. .34 - —
3360, bbls., 30,000 lbs., works..lb. .42 - —
15,000 lbs., works..lb. .43 - —
5,000 lbs., works....lb. .44 - —
4006, bbls., 30,000 lbs., works..lb. .53 - —
15,000 lbs., works..lb. .56 - —
5,000 lbs., works....lb. .57 - —
4036, bbls., 30,000 lbs., works..lb. .40 - —
15,000 lbs., works..lb. .41 - —
5,000 lbs., works....lb. .42 - —
6882, bbls., 30,000 lbs., works..lb. .42½- —
15,000 lbs., works..lb. .43½- —
5,000 lbs., works....lb. .44½- —
8900, bbls., 30,000 lbs., works..lb. .48 - —
15,000 lbs., works..lb. .49 - —
5,000 lbs., works....lb. .50 - —
9476, bbls., 30,000 lbs., works..lb. .28 - —
15,000 lbs., works..lb. .29 - —
5,000 lbs., works...lb. .30 - —
XR, 4503, dms., 30,000 lbs., works..lb. .56 - —
15,000 lbs., works..lb. .57 - —
5,000 lbs.. works....lb. .58 - —
modified, BR 302, dms., 30,000 lbs., works..lb. .26 - —
15,000 lbs., works...lb. .26½- —
5,000 lbs., works...lb. .27 - —
2072, bbls., 30,000 lbs., works..lb. .23 - —
15,000 lbs., works...lb. .23½- —
5,000 lbs., works...lb. .24 - —
2175, cns., 30,000 lbs., works..lb. .23 - —
15,000 lbs., works...lb. .23½- —
5,000 lbs., works...lb. .24 - —
2963, bbls., 30,000 lbs., works..lb. .24 - —
15,000 lbs., works...lb. .24½- —
5,000 lbs., works...lb. .25 - —
solutions, XJ, 180, dms., 30,000 lbs., works..lb. .179 - —
15,000 lbs., works.....lb. .184 - —
5,000 lbs., works.....lb. .189 - —
431, dms., 30,000 lbs., works, lb. .226 - —
15,000 lbs., works.....lb. .231 - —
5,000 lbs., works.....lb. .236 - —
2681. dms., 30,000 lbs., works..lb. .22 - —
15,000 lbs., works.....lb. .22½- —
5,000 lbs., works.....lb. .23 - —
3100, dms., 30,000 lbs., works..lb. .19½- —
15,000 lbs., works.....lb. .20 - —
5,000 lbs., works.....lb. .20½- —
6000, dms., 30,000 lbs., works..lb. .26½- —
15,000 lbs., works.....lb. .27 - —
5,000 lbs., works.....lb. .27½- —
6389, dms., 30,000 lbs., works..lb. .26½- —
15,000 lbs., works.....lb. .27 - —
5,000 lbs., works.....lb. .27½- —

Bakelite, solutions, XJ 7506, dms., 30,000 lbs., works..lb. .30 - —
15,000 lbs., works.....lb. .30½- —
5,000 lbs., works.....lb. .31 - —
8263, dms., 30,000 lbs., works..lb. .22 - —
15,000 lbs., works.....lb. .22½- —
5,000 lbs., works.....lb. .23 - —
8264, dms., 30,000 lbs., works..lb. .21½- —
15,000 lbs., works.....lb. .22½- —
5,000 lbs., works.....lb. .23½- —
8344, dms., 30,000 lbs., works..lb. .383 - —
15,000 lbs., works.....lb. .393 - —
5,000 lbs., works.....lb. .403 - —
9405, dms., 30,000 lbs., works..lb. .33 - —
15,000 lbs., works.....lb. .34 - —
5,000 lbs., works.....lb. .35 - —

C

Cumar, AX, dms., works.....lb. .06 - —
BX, dms., works.....lb. .06 - —
CX, dms., gross weight, works, lb. .05 - —
DX, dms., gross weight, works, lb. .04 - —
EX, dms., gross weight, works, lb. .04 - —
FX, dms., gross weight, works, lb. .05 - —
MH, col. ⅛, dms., works....lb. .12 - —
1, dms., works.....lb. .11 - —
1¼-2, dms., works.....lb. .10 - —
2½ and darker, dms., works, lb. .09 - —
MS, dms., works.....lb. .10 - —
P, 10°-20° C., col. 3 and darker, dms., works..lb. .10½- —
RH, dms., works.....lb. .10 - —
RS, dms., works.....lb. .10 - —
special soft, dms., works..lb. .10 - —
V, col. ⅛, dms., works....lb. .12 - —
1, dms., works.....lb. .11 - —
1¼-2, dms., works.....lb. .10 - —
2½ and darker, dms., works, lb. .09 - —
W, col. ⅛, dms., works.....lb. .13 - —
1, dms., works.....lb. .12 - —
1¼-2, dms., works.....lb. .11 - —
2½ and darker, dms., works, lb. .10 - —

Cumar prices include frt. equald, with Pittsburgh; prices on contracts terminating June, 1938, are ¼c. per pound lower.

D

Durite,1.301 dms.,1 ton,frt.alld.lb. .30 - —
smaller lots, frt. alld....lb. .35 - —

G

G, resin, dms., gross weight, works, frt equal. with Phila., lb. .08¼- —

G resin prices on contracts terminating June, 1938, are ¼c. per pound lower; Los Angeles and San Francisco ex whse., 3c. per lb. extra.

Gual-a-phene, 10-gal. cns., works, gal. 2.57 - —
5-gal. cns., works.....gal. 2.62 - —
1-gal. cns., works.....gal. 2.82 - —
dms., works.....gal. 2.50 - —

H

Hercolyn, dms. (nonreturnable), works..lb. .22 - —

J

Jozite (see Zinc-iron oxide pigment in regular price list above).

K

Kadox (zinc oxide), black, or red label, bgs., c.l., dlvd..lb. .06½- —
l.c.l., dlvd. E. of Rockies.lb. .06¾- —
Pac. cst., ex whse.....lb. .06¾- —
bbls., c.l., dlvd.....lb. .06¾- —
l.c.l., dlvd. E. of Rockies.lb. .07 - —
Pac. cst., ex whse.....lb. .07 - —

N

Nevillac, dms., works.....lb. .10 - —

Nevillac prices on contracts terminating June, 1938, are ¼c. per pound lower; Los Angeles and San Francisco ex whse., 3c. per lb. extra.

Neville resin, R-1 nevindene, col. ½, dms., works..lb. .13 - —
R-3, nevindene, col. 1, dms., works..lb. .12 - —
R-5, nevindene, col., 1½-2, dms., works..lb. .11 - —
R-6, nevindene, col., 2¼-3½, dms., works..lb. .10 - —
R-7, N.P.S., col. below 3. dms , works..lb. .12 - —
R-8, N.P.S., col. below 3, dms., works..lb. .12½- —
R-9, hard, col. ½, dms., works, lb. .12 - —
R-10, hard, col., 1, dms., works..lb. .11 - —
R-11, hard, col. 1½-2, dms., works..lb. .10 - —
R-12, hard, col. 2½ and darker, dms., works..lb. .09 - —
R-13, medium, col. ⅛, dms., works..lb. .12 - —
R-14, medium, col. 1, dms., works..lb. .11 - —
R-15, medium, col. 1½-2,dms., works..lb. .10 - —
R-16, medium, col. 2½ and darker, dms., works..lb. .09 - —
R-17, medium soft, col. 3½-8, dms., works..lb. .10 - —
R-19, medium soft, col. 3½-8, dms., works..lb. .10 - —
R-21, soft, col. 3½-8, dms., works..lb. .10 - —
R-22, special, soft, col. 3½-8, dms., works..lb. .10 - —
R-27, medium soft, col. 1, dms., works..lb. .12½- —
R-28, medium soft, col. 1½-2, dms., works..lb. .11½- —
R-29, medium soft, col. 2½ and darker, dms., works..lb. .10½- —
R-41, phenester, col. 3½-5, dms., works..lb. .17 - —

Neville resin prices are freight equalized with Phila.; prices on contracts terminating June, 1938, are ¼c. per pound lower; Los Angeles and San Francisco ex whse., 3c. per lb. extra.

Nevillite, dms., works.....lb. .75 - —
oil, dms., works.....lb. .75 - —
Nevinol, dms., works.....lb. .15 - —
2 heavy, dms., works.....lb. .11 - —
Nuba, 1, 80°-95° C., dms., gross weight, works..lb. .03 - —
2, 100°-125° C., dms., gross weight, works..lb. .03 - —
3. 135°-150° C., dms., gross

Nuba resin prices are freight equalized with Phila.; prices on contracts terminating June, 1938, are ¼c. per pound lower. Los Angeles and San Francisco ex whse., 3c. per pound extra.

Nuodex drier, cobalt, 4%, dms., dlvd. E. of Kas. City.....lb. .19½- .21½
6%, dms., same basis.....lb. .24½- .26½
8%, dms., same basis.....lb. .32¾- .34
10%, dms., same basis.....lb. .43 - .45¾
cobalt 8%-lead 30%, dms, same basis..lb. .20 - —
cobalt 1%-zinc 10%, dms., same basis..lb. .22½- —
copper, 4%, dms., same basis.lb. .12 - —
6%, dms., same basis.....lb. .14 - .16
iron, 4%, dms., same basis..lb. .11 - —
6%, dms., same basis.....lb. .13 - —
10%, dms., same basis.....lb. .21 - —
lead, 16%, dms., same basis..lb. .10½- .11⅛
24%, dms., same basis.....lb. .14 - .18
32%, dms., same basis.....lb. .18 - .20
34%, dms., same basis.....lb. .19 - .20
lead 30%—cobalt 3% (see Cobalt).
lead 30%—manganese 3% (see Manganese).
manganese, 4%, dms., same basis..lb. .12½- —
6%, dms., same basis.....lb. .13 - .14
8%, dms., same basis.....lb. .18 - .19
10%, dms., same basis.....lb. .22 - —
manganese 3%—lead 30%, dms., same basis..lb. .17 - —
mercury, 25%, dms., same basis..lb. .55 - —
zinc, 5%, dms., same basis..lb. .13 - .14
8%, dms., same basis.....lb. .16½- .17½
12%, dms., same basis.....lb. .22 - .23
zinc 10%—cobalt 1% see (Cobalt).

P

Paradene, 1, dms., gross weight, wks, frt. equal, with Phila. lb. .04 - —
2, same basis.....lb. .04 - —
3, same basis.....lb. .05 - —
P.H.O., dms., works.....lb. .30 - —
Pliolite, milled, dms., 1 ton, works..lb. .75 - —
smaller lots, works.....lb. .79 - —
unmilled, dms., 1 ton, works.lb. .66 - —
smaller lots, works.....lb. .69 - —

S

Surfex, bgs., c.l., frt. alld. up to 25c. per 100 lbs..ton.35.00 - —

T

Tornesit, bgs., ton lots, works..lb. .37 - —

V

Vinylite, AYAA, AYAF, AYAT, dms.. 200 lbs., f.o.b. cars, works, frt. paid by seller to destination, E. of Mississippi river..lb. .45 - —
smaller lots, works.....lb. .60 - —
VYHF, dms., 200 lbs., works, lb. .55 - —
smaller lots, works.....lb. .65 - —
VYHH, dms., 200 lbs., works.lb. .57 - —
smaller lots, works.....lb. .67 - —
VYNT, dms., 200 lbs, works.lb. .75 - —
smaller lots works.....lb. .85 - —
VYRR, dms., 200 lbs., works.lb. .55 - —
smaller lots, works.....lb. .65 - —

Bids Wanted

Ammonia, Anhydrous:—6,000 pounds; Supply Office, Navy Yard, Philadelphia; requisition 4NSA, opening May 9.
4,000 pounds; Naval Supply Depot, Norfolk, Va.; requisition 9080, opening May 6.
Containers:—8,100 fibre; Commanding Officer, Picatinny Arsenal, N. J.; procurement 893, opening May 10.
Laboratory Supplies:—U. S. Engineer Office, P. O. Box 97, Memphis, Tenn.; circular 255, opening May 4.
Linseed Oil:—3,000 pounds; U. S. Engineer Officer, Galveston, Tex.; circular 262, opening May 4.
Pigment, Green:—9,000 pounds; Purchasing and Contracting Officer, Office of the Quartermaster, CCC Camp Beauregard, La.; procurement 5402-47, opening May 10.
Polish, Bronze:—1,500 gallons; Purchasing Agent, Post Office Department, Washington, D. C.; procurement 241, opening May 19.
Salt Rock:—Supplies, various deliveries; Quartermaster Supply Officer, General Depot, Fort Sam Houston, Tex.; procurement 503-173, opening May 5.
Soap, chips:—5,000 pounds; Contracting Officer, Quartermaster Corps, Jeffersonville, Ind.; procurement 431-154, opening May 6.
Soap, Grit:—95,000 cakes; Quartermaster Depot, Chicago, Ill.; procurement 199-193, opening May 3.
10,000 cakes; Contracting Officer, Quartermaster Corps, Jeffersonville, Ind.; procurement 431-154, opening May 6.
Soap, Laundry:—460,000 pounds; Contracting Officer, Quartermaster Corps, Jeffersonville, Ind.; procurement 431-154, opening May 6.
Soda Ash:—Supplies for various deliveries; Quartermaster Supply Officer, General Depot, Fort Sam Houston, Tex.; procurement 503-173, opening May 5.
Soda Phosphate: — 3,000 pounds tri-basic; Contracting Officer, Quartermaster Corps, Jeffersonville, Ind.; procurement 431-154, opening May 6.
Wax, Sealing:—3,500 pounds; Purchasing Agent, Post Office Department, Washington, D. C.; procurement 239, opening May 18.
Zinc Oxide:—2,000 pounds; U. S. Engineer Office, Galveston, Tex.; circular 262, opening May 4.

Contracts Awarded

Soda Hyposulphite:—14,400 pounds; awarded to the Thompson Hayward Chemical Company, San Antonio, by the Quartermaster Corp, Fort Sam Houston, Tex.; at 2.84c. a pound; procurement 159, opened April 4.
Soda Phosphate: — 55,900 pounds; awarded to the Thompson-Hayward Chemical Company, San Antonio, by the Quartermaster Corps, Fort Sam Houston, Tex., at 2.84c. a pound; procurement 159, opened April 4.
9,000 pounds of tri-basic; awarded to the Kraft Chemical Company, Chicago, by the Quartermaster Corps, Chicago, at $2.86 per 100 pounds; procurement 156, opened April 2.
Solvent, Drycleaning: — 7,000 gallons; awarded to Anderson-Pritchard Refining Corporation, Oklahoma City, Okla., by Quartermaster Corps, Fort Sam Houston, Tex., at 6.39c. a gallon; procurement 161, opened April 5.

Tanners Council Issues Spring Meeting Program

The program for the Spring get-together of the Tanners' Council of America in the Greenbrier hotel, White Sulphur Springs, May 12 and 13, lists the following:—

Thursday, May 12

9:00 a. m.—Registration.
10:00 a. m.—Open meeting.
10:05 a. m.—"Price Problems," by Carl F. Danner, chairman of the board of the Tanners' Council.
10:20 a. m.—"The Statistical Position Today," by Edward L. Drew, statistician for the Tanners' Council.
10:35 a. m.—"Consumption Propects," by Irving R. Glass, economist for the Tanners' Council.
10:50 a. m.—"Controlled Inventory Policies," by Merrill A. Watson, executive vice-president of the Tanners' Council.
11:05 a. m.—"Your Laboratory," by Dr. Fred O'Flaherty, director of the research laboratory of the Tanners' Council.
11:20 a. m.—"Legislative Developments Affecting the Leather Industry," by Victor G. Lumbard, chairman of the Washington committee of the Tanners' Council.
11:35 a. m.—Discussion.
12:00 m.—Adjournment.
Afternoon.—Recreation.
7:00 to 9:00 p. m.—Board of directors dinner.

Friday, May 13

8:30 a. m.—Breakfast meetings:
Laboratory Committee and Laboratory Foundation.
Trade Survey Committee.
Hide Committee.
10:00 a. m.—Group discussions:
Bag and strap, David L. Stern, chairman.
Calf tanners, Victor G. Lumbard, chairman.
Goat and cabretta, F. Sturgis Stout, chairman.
Harness, Fred A. Hermann, chairman.
Sheep and glove, Michael F. Flynn, chairman.
Sole and belting:—Everett W. Pervere, chairman.
Side upper groups combined:—Marcus C. Weimar, chairman, Western group; Willis E. Thorpe, chairman, Eastern group.
Upholstery, Alvin J. Swedenborg, chairman.
12:00 m.—Adjournment.
6:00 p. m.—Presentation of golf prizes by Major Joseph W. Byron, chairman of the golf committee.

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Oil, Paint and Drug Reporter

Founded October 18, 1871, by William O. Allison

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Vol. 133 May 2, 1938 Number 18

Chemical Business Slack During First Quarter

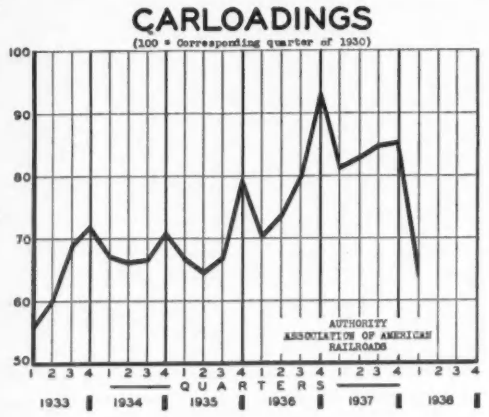
—*Continued from page* 3

for government investments that pay no interest, or practically none—exemption from a tax of nothing is no exemption. Business needs badly to get confidence in itself.

Newspapers are telling about expressions of doubt that the pending governmental spending, or pump-priming, program will cure the slump. There is no doubt about this; governmental spending will not cure the slump; it cannot do more than alleviate certain symptoms, and that but temporarily. The only cure for a business slump is business activity.

The recently published pledge of cooperration by sixteen members of the industrial world—too many of them are in the financial division—will mean exactly nothing unless the pledge is carried forward with a program. The Secretary of Commerce has called upon the pledgers of cooperation to work out and present a concrete plan of fighting the slump. The OIL, PAINT AND DRUG REPORTER has advised and urged on many occasions that this be done; has advised business to draft a revenue bill, to draft much-needed amendments to the labor relations act, to construct a program for its own guidance out of its slump. There is nothing else worth doing. Where would the drug industry be today if it had not drafted a substitute for the destructive Tugwell bill?

The future of business is in the hands of business, not on the laps of the gods or on those of governmental officials. The outlook is gloomy, because the outlookers are gloomy. Whatever could be done by business to end the slump if its various "if's" were realized can be done now—and nothing could be more effective than the doing thereof to knock the props from under every condition on the "if-this-were-removed" list of deterrents.


CARLOADINGS
(100 = Corresponding quarter of 1930)
AUTHORITY ASSOCIATION OF AMERICAN RAILROADS
1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4
QUARTERS
1933 1934 1935 1936 1937 1938

Car Loadings

	Number of cars— First quarter.	Second quarter.	Third quarter.	Fourth quarter.
1930....	11,269,184	11,931,392	11,953,125	10,561,378
1931....	9,372,110	9,648,375	9,701,222	8,429,542
1932....	7,335,790	6,592,030	6,864,872	7,367,260
1933....	6,249,295	7,095,005	8,270,380	7,605,372
1934....	7,563,168	7,871,455	7,908,468	7,500,869
1935....	7,510,681	7,665,376	7,962,361	8,365,716
1936....	7,907,214	8,683,656	9,587,722	9,884,715
1937....	7,098,639	9,829,467	10,110,739	8,954,083
1938....	7,158,227	.....	.....	.....

Yearly (52 weeks) totals:—

1930	45,717,079
1931	37,151,249
1932	28,179,952
1933	29,220,052
1934	30,845,960
1935	31,504,134
1936	36,063,307
1937	37,992,928

General Statistical Record

Data from a variety of sources, collated in the REPORTER'S survey, present the following picture of elemental factors in the business situation during the first quarter of 1938; particulars of the ten divisions of the chemical, oil, and drug industries are given in the several market commentaries farther below (the figures represent percentage changes from the first quarter of 1937):—

Production

Industrial production	—31.3
Manufacturing industries	—35.1
Chemicals, oils, drugs	—17.0
Benzol (by-product coke plants)	—42.1
Corn grind	— 6.2
Cottonseed oil, crude	+47.6
Crude petroleum	+ 3.4
Gasoline	+ 3.1
Motor fuel stocks	+10.1
Oil burner shipments	—40.3
Linseed oil	—19.9
Methanol	+20.5
Boots and shoes	—27.9
Coke	—40.1
Cotton consumption	—35.3
Crude rubber consumption	—46.6
Machine tool orders	—28.7
Newsprint and paperboard	—23.7
Pig iron	—56.8
Structural steel bookings	—52.6
Shipments	—22.2
Minerals production	—11.6
Coal loadings	—31.8
Anthracite	— 1.1
Bituminous	—35.8
Electric power production	+ 6.5

Building Construction

Building permits and construction	— 0.7
FHA mortgage acceptances	+ 9.8
Portland cement shipments	— 8.6
Prepared roofing shipments	—31.1

Employment

Factory employment	—16.9
Capital goods industries	—22.8
Consumer goods industries	—13.2
Chemical, oil, and drug industries	— 7.7
Factory payrolls	—24.1
Average weekly earnings	— 8.0
Capital goods industries	—28.8
Average weekly earnings	—12.4
Consumer goods industries	—15.9
Average weekly earnings	— 2.3
Chemical, oil, and drugs industries	— 3.9
Average weekly earnings	+ 3.8
Labor turnover (Jan.-Feb.)	+11.8
Accessions (Jan.-Feb.)	—25.8
Separations (Jan.-Feb.)	+67.9

Sales

Manufacturers' sales (Jan.-Feb.)	—25.7
Commodity, inventories (Feb. 28)	+30.8
Raw materials inventories (Feb. 28)	+43.3
Manufactures inventories (Feb. 28)	+11.8
Chemicals, oils, drugs sales (volume)	—18.9
Chemicals, oils, drugs sales (value)	—20.3
Chemicals, oils, drugs inventories	+14.1
Chemical and related products inventories (Feb. 28)	+23.5
Chemical, oil, drug corporation earnings	—32.6
Cosmetic sales	—28.8
Medicinal preparations sales (Jan.-Feb.)	—14.8
Paint and varnish sales (Jan.-Feb.)	—24.2
Automobile sales, manufacturers	—50.0
Retail	—49.2
Retail financing	—51.9
Leather and products sales (Jan.-Feb.)	—15.3
Paper sales (Jan.-Feb.)	—13.7
Rubber goods sales (Jan.-Feb)	—44.9
Textiles and products sales (Jan.-Feb.)	—28.2
Wholesale sales (Jan.-Feb.)	—13.7
Drugs and sundries (Jan.-Feb.)	— 6.0
Wholesale drug inventories (Feb. 28)	— 3.4
Paints (Jan.-Feb.)	—15.4
Petroleum (Jan.-Feb.)	+ 5.3
Chain stores	— 5.6
Drugs	— 7.3
Sales	
Individual retailers	— 7.4
Drugs	— 1.2
Filling stations	— 2.4
Department stores	— 8.7
Mail-order (Jan.-Feb.)	— 5.3
Rural retail sales	— 7.9

Prices

Chemicals, oils, drugs prices (Mar. 31)	— 4.4
General wholesale prices (Mar. 31)	—12.1
Cost of living	— 1.6
Retail cost of food (Mar. 31)	— 8.0
National individual incomes	— 5.4
Wages and salaries	— 7.0
Dividends and interest	— 2.4
Prices received by farmers	—22.0
Farm income (marketing and bonuses)	— 9.7

Transportation

Railroad carloadings	—21.3
Truck freighting	—23.9
Railroad operating income	—75.4

Foreign Trade

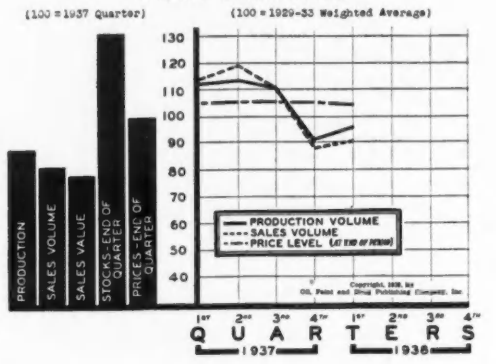
Exports of domestic goods	+16.5
Chemicals, oil, drugs (Jan.-Feb.)	+23.9
Imports for consumption	—37.2
Chemicals, oils, drugs (Jan.-Feb.)	—23.9

Records of Chemical Groups

From the individual records of first-quarter business and sentiment in the chemical, oil, and drug industries submitted for analysis in the REPORTER'S survey, the following pictures of the several groups have been constructed:—

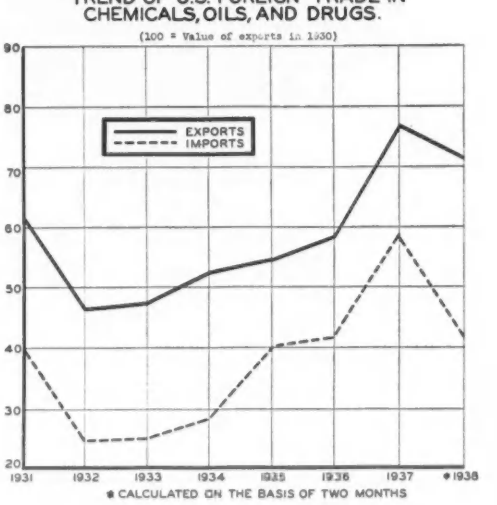
Heavy Chemicals

Productive activity in the heavy chemicals field was restricted with a close regard for the current needs of the process industries during the first quarter. There was no appreciable feeling that anticipatory buying would be inaugurated, although certain articles were taken for a short time in



quantities greater than nearby needs in anticipation of higher freight rates. In some instances producers maintained productive activities, preferring to increase their inventories against expectations of improved demand, rather than to increase unemployment in their circles. This policy is reflected in the relatively smaller reduction of employment in the chemical industries as a whole.

Data contributed to the REPORTER'S survey for the



Exports and Imports of Chemicals, Drugs, Oils

	Exports.	Imports.
1930	$800,631,700	$479,635,000
1931	498,287,300	322,836,100
1932	368,655,200	199,138,300
1933	375,922,500	200,430,200
1934	413,472,400	227,433,600
1935	430,915,400	311,968,300
1936	463,234,000	333,519,400
1937	613,835,600	464,451,500
1938 (two months)	95,239,800	55,200,900

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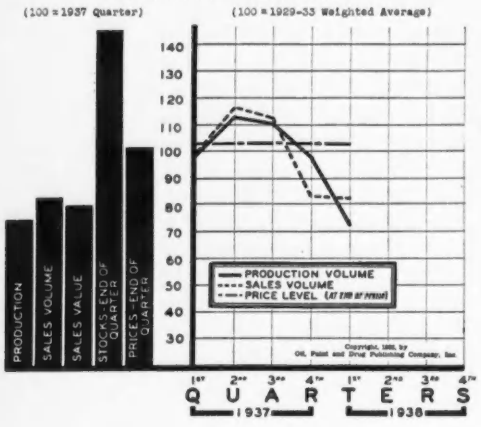
first quarter indicate the following changes from the 1937 first quarter—

	(Percent.)
Production in quarter	—13.8
Sales volume in quarter	—19.1
Sales value for quarter	—22.3
Stocks, end of quarter	+30.6
Prices, end of quarter	— 0.3
(Down 0.5 percent since Jan. 1)	
Exports (2 mos.)—$9,630,678	+ 7.8
Imports (2 mos.)—$4,581,572	—10.5
Credit conditions—Poorer	
Outlook—Duller	

Coaltar Chemicals

Curtailed operations in the iron and steel industry further reduced the supply of raw materials in the coaltar chemical field during the first quarter. There was a compensatory reduction in foreign demand for solvents, and the needs of the textile, rubber, and other large domestic consumers of coaltar chemicals were also such as to ease the strain on the smaller supply of basics. The truth is that demand as a whole was curtailed more than produc-



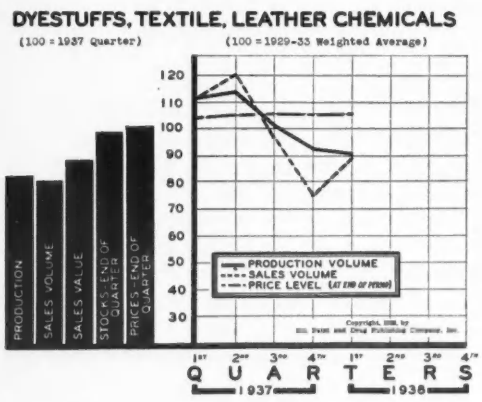
tion; but a substantial measure of the activity in the latter was caused by a policy of keeping at work, with faith, or at least hope, in the future—there was some doubt in this respect.

Data contributed to the REPORTER'S survey for the first quarter indicate the following changes from the 1937 first quarter:—

	(Percent.)
Production in quarter	—26.4
Sales volume in quarter	—17.2
Sales value for quarter	—20.7
Stocks, end of quarter	+46.5
Prices, end of quarter	+ 0.7
(Same as at Jan. 1)	
Exports (2 mos.)—$95,239,814	—48.3
Imports (2 mos.)—$55,200,852	+ 0.3
Credit conditions—Poorer	
Outlook—Unchanged	

Dyestuffs, Textile, Leather Chemicals

Continuance of the relatively and actually low rate of productive activity in the textile and leather industries was reflected during the first quarter in the operations in chemicals and other reagents used in those fields. Producers and importers of



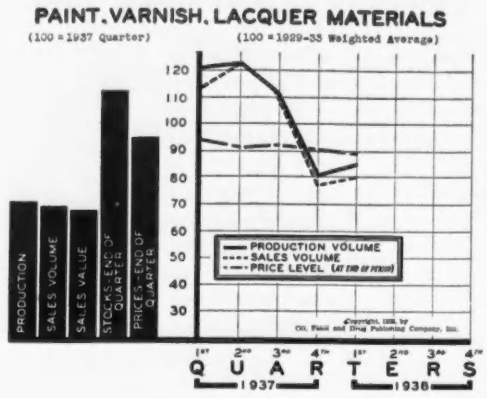
these materials kept their activities closely in line with the indications of demand; they did not make anticipatory additions to their inventories, the reason being that the prevailing sentiment was not optimistic, and the politico-economic atmosphere was regarded as not salubrious.

Data contributed to the REPORTER'S survey for the first quarter indicate the following changes from the 1937 first quarter:—

	(Percent.)
Production in quarter	—18.0
Sales volume in quarter	—19.7
Sales value for quarter	—11.8
Stocks, end of quarter	— 1.4
Prices, end of quarter	+ 0.8
(Down 0.5 percent since Jan. 1)	
Exports (2 mos.)—$1,492,921	+94.0
Imports (2 mos.)—$2,193,825	—37.9
Credit conditions—Poorer	
Outlook—Duller	

Paint, Varnish, Lacquer Materials

Although some encouragement was provided for the paint and related industries by the expansion and extension of the Federal housing program, the effects of such activity as might result therefrom could not get down to the materials field in time to be manifested in the first quarter. Manufacturing consumers of these materials were carrying relatively heavy inventories, and their buying was closely confined to current needs. There was very little optimism and no anticipatory expansion of productive operations. The paint-up campaign had a larger measure of promise this year, but there was no impressive evidence that the badly neglected



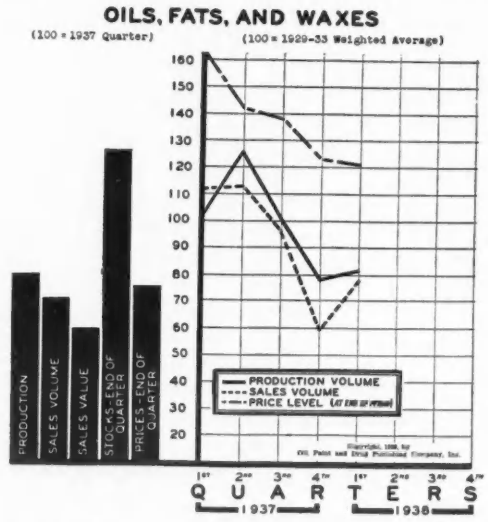
painting needs of the country would be materially met. Public sentiment in this respect reflected the lack of confidence in business which has been engendered by the lack of confidence on the part of business in the Federal administration.

Data contributed to the REPORTER'S survey for the first quarter indicate the following changes from the 1937 first quarter:—

	(Percent.)
Production in quarter	—29.2
Sales volume in quarter	—30.2
Sales value for quarter	—33.7
Stocks, end of quarter	+12.4
Prices, end of quarter	— 5.1
(Down 0.9 percent since Jan. 1)	
Exports (2 mos.)—$6,497,140	—21.5
Imports (2 mos.)—$3,870,808	—33.7
Credit conditions—Poorer	
Outlook—Duller	

Oils, Fats, and Waxes

Politico-economic uncertainties at home and disturbances of industrial and commercial procedure abroad, especially in the Orient, made the oils, fats, and waxes industry—as one member expressed it —"regusted" with conditions in the first quarter. Pessimism was excessively prevalent, and such optimism as did exist was mostly of the sort that, being worst, things could not get any "worser." Business in cottonseed oil was big in supply and fairly commensurate in demand; so that this year's



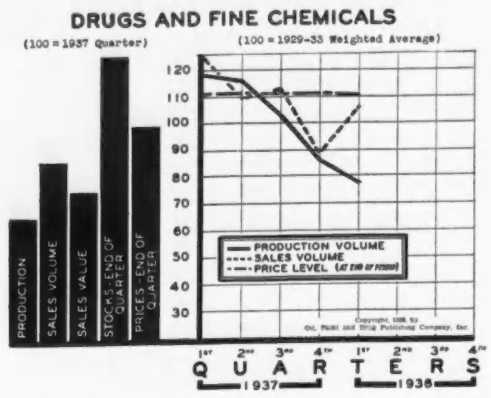
carryover was not expected to be relatively heavy. Political picking on the margarin industry caused some misgivings, and the adverse ruling of the supreme court in the filled milk case was expected, at least in reflecting sentiment during the quarter. Tax and import wrangles, on whale oil particularly, were a disturbing influence. Consuming industries as a whole were not buying extensively, because their needs were not extensive.

Data contributed to the REPORTER'S survey for the first quarter indicate the following changes from the 1937 first quarter:—

	(Percent)
Production in quarter	—21.1
Sales volume in quarter	—30.5
Sales value for quarter	—41.3
Stocks, end of quarter	+25.0
Prices, end of quarter	—25.5
(Down 2.0 percent since Jan. 1)	
Exports (2 mos.)—$6,683,448	+62.0
Imports (2 mos.)—$19,061,713	—33.5
Credit conditions—Slightly poorer	
Outlook—Slightly duller	

Drugs and Fine Chemicals

Production of fine chemicals for other than pharmaceutical use was heavily curtailed during the first quarter. Producers had accumulated rather burdensome inventories because they had not responded promptly to the slackening of demand in the last quarter of 1937. Prices were substantially reduced, and sales responded somewhat to this influence, although it was evident that consuming industries were preferring materials that were higher in price but less costly in results. The



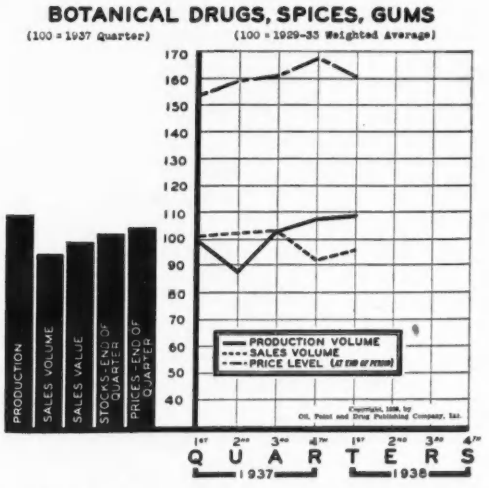
sentiment was darkly tinged with the general fear and uncertainty, aggravated by legislative proposals for the restriction of the introduction of new drugs.

Data contributed to the REPORTER'S survey for the first quarter indicate the following changes from the 1937 first quarter:—

	(Percent)
Production in quarter	— 34.4
Sales volume in quarter	— 15.2
Sales value for quarter	— 26.9
Stocks, end of quarter	+ 25.6
Prices, end of quarter	— 0.7
(Down 1.1 percent since Jan. 1)	
Exports (2 mos.)—$4,832,161	+126.8
Imports (2 mos.)—$2,625,775	— 51.1
Credit conditions—Slightly poorer	
Outlook—Duller	

Botanical Drugs, Spices, Gums

The botanical group was the only one of the ten covered by the REPORTER'S survey that reported production larger in the first quarter of this year than in the corresponding period in 1937. This was wholly a domestic condition, because imports were smaller; but, export business was a significant factor in the stimulation of larger production. It was expected that collecting of domestic drugs would increase this year as a result of the reduction in cotton acreage and the consequent increase in the number of unemployed persons in the Southern drug regions. Business in botanical drugs has been



pounded down to bedrock by years of developments of synthetic medicinals. For this reason those engaged in the business, while they are not expectant of booms, look upon current conditions and toward the future with less pessimism than prevails in other circles. They feel that their markets are solid. There is more reaction to varying conditions in the field of condimental botanicals, but these were not the worst off among consumer goods during the first quarter. Industrial use of gums was not inordinately curtailed. Demand for insecticides responded encouragingly to seasonal influences.

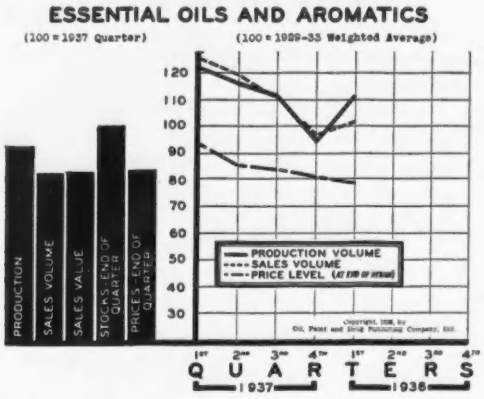
Data contributed to the REPORTER'S survey for the first quarter indicate the following changes from the 1937 first quarter:—

	(Percent)
Production in quarter	+ 9.0
Sales volume in quarter	— 4.8
Sales value for quarter	— 1.0
Stocks, end of quarter	+ 2.0
Prices, end of quarter	+ 4.4
(Down 3.9 percent since Jan. 1)	
Exports (2 mos.)—$1,525,226	+77.3
Imports (2 mos.)—$4,941,174	—11.8
Credit conditions—Unchanged	
Outlook—Slightly duller	

Essential Oils, Aromatic Chemicals

The toilet goods business appeared to be badly bent downward by the public buying recess in the first quarter, and its straits were reflected in business in aromatic materials. Demand for these materials in the category of flavorings was not so much curtailed. Industrial consumption of "nosers" was affected by the general slackening, but showed n relatively broadening interest. Prices were

notably lower than last year's, but the more noticeable effects of this were in export business, although the balance of foreign trade remained on the other side in spite of substantially reduced imports. It could be said of domestic buying that the



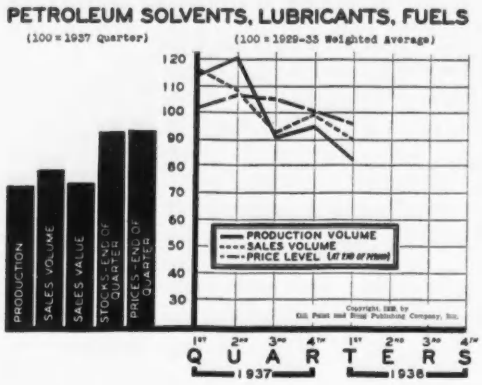
influence of anticipatory inventory-stuffing in 1937 was still potent. Conditions were not generally expected to get worse, but the best feeling was that their progress would be sidewise for some time before it became upward.

Data contributed to the REPORTER'S survey for the first quarter indicate the following changes from the 1937 first quarter:—

	(Percent)
Production in quarter	— 8.3
Sales volume in quarter	—18.7
Sales value for quarter	—17.0
Stocks, end of quarter	0.0
Prices, end of quarter	—16.4
(Down 3.2 percent since Jan. 1)	
Exports (2 mos.)—$417,787	+28.9
Imports (2 mos.)—$1,001,335	—30.8
Credit conditions—Slightly poorer	
Outlook—Slightly duller	

Petroleum Solvents, Lubricants, Fuels

Production of crude petroleum and gasoline was maintained above 1937 levels during the first quarter, and stocks of motor fuel increased, to the alarm of some leaders of the industry. Production of industrial derivatives of petroleum was heavily curtailed in recognition of diminishing demand. Derivatives used in drugs and cosmetics had a better than average demand, although the latter field was not up to last year in productivity. Exports were heavy, and there was a large increase in imports, with a shift in sources because of the nationalization of production in Mexico. Restrictive measures for field and refinery operations were being given serious consideration in the latter part of the quarter, and are still looked upon as necessary. The selling drive on used motorcars helped to keep the gasoline and lubricant market from falling to a distressing level. There was encouragement in the refusal of Congress to subsidize the coal industry by means of a tax on fuel oils. The petroleum industry is not expecting this year to be as profitable as last in the aggregate, and it is bothered with the possibility of exercising sufficient self-restraint to prevent prices from becoming profitless.

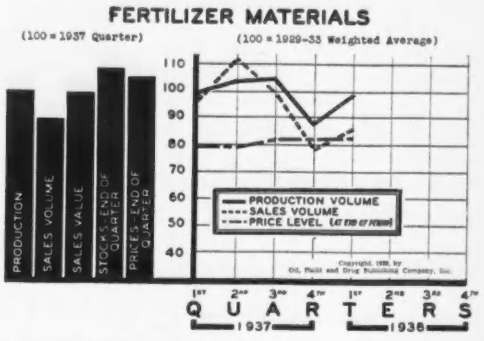


Data on petroleum and its various products contributed to the REPORTER'S survey for the first quarter indicate the following changes from the 1937 first quarter:—

	(Percent)
Production in quarter	—27.8
Sales volume in quarter	—22.5
Sales value for quarter	—27.2
Stocks, end of quarter	— 7.2
Prices, end of quarter	— 6.2
(Down 4.6 percent since Jan. 1)	
Exports (2 mos.)—$60,629,947	+27.1
Imports (2 mos.)—$6,321,541	+48.1
Credit conditions—Poorer	
Outlook—Duller	

Fertilizer Materials

Farm income was substantially reduced during the first quarter when prices of agricultural products reached low levels. The plan to curtail cotton acreage must mean some reduction in the biggest consumption of fertilizers; although, if the farmers were getting better prices, they might be expected to engage in more intensive cultivation of their smaller acreage. If, as may be expected, one of the results of the new farm act is the raising of prices of farm products, this legislation may be beneficial to fertilizer manufacturers—its first effect is in the other direction—because more than a crop-control plan is necessary to correct the ancient agricultural belief that, when curtailment is orally popular, it is a good time practically to increase production. Whatever may eventuate, the fertilizer industry in the South is now going into a spasm of its popular practice of meeting an expectation of decreased tonnage with offers of reduced prices.



Data contributed to the REPORTER'S survey for the first quarter indicate the following changes from the 1937 first quarter:—

	(Percent)
Production in quarter	— 1.3
Sales volume in quarter	—11.4
Sales value for quarter	— 1.4
Stocks, end of quarter	+ 7.4
Prices, end of quarter	+ 4.7
(Up 0.5 precent since Jan. 1)	
Exports (2 mos.)—$2,451,820	+73.9
Imports (2 mos.)—$74,429,915	—26.6
Credit conditions—Slightly poorer	
Outlook—Duller	

Price Trends

Average prices at the end of the first quarters of 1938 and 1937, with relation to those at the end of the similar period in 1936, compared as follows:—

(100 = Prices at March 31, 1936)

	1937.	1938.
Heavy chemicals	100.3	100.0
Coaltar chemicals	100.2	100.8
Dyestuffs, textile, leather chemicals	100.6	101.4
Paint, varnish, lacquer materials	105.7	100.3
Oils, fats, waxes	130.0	96.9
Drugs and fine chemicals	97.5	96.8
Botanical drugs, spices, gums	117.0	122.2
Essential oils, aromatic chemicals	132.6	110.9
Petroleum solvents, lubricants, fuels	107.3	100.7
Fertilizer materials	109.6	114.8
Average of all these markets	110.1	104.5

Management-Employee Relations Discussed

—Continued from page 4

and respect, which prevented misconceptions of distinctions. Fair treatment under a fixed policy is the basic element, he said.

The meeting was convened after luncheon by the chairman of the section Philip M. Dinkins, of the American Cyanamid & Chemical Corporation. The program was directed by Hugh Craig, managing editor of the OIL, PAINT AND DRUG REPORTER, who, pointing out that labor troubles are aggravated, rather than originated, by labor leaders, urged that management give more consideration to the prevention of such troubles, which can stop all income, than to taxes, which only take something out of profits.

Chemurgic Conference Reviews Research Progress

—Continued from page 5

soybean caterpillar, can be controlled effectively and safely with neutral dusting cryolite, where the crop is produced for seed or for plowing under. Research work with basic calcium arsenate containing added safeners indicates the possibility of finding an arsenical that may be used on the soybean, he added. Recent research work, Mr. Eddy concluded, with the activated rotenone-bearing dusts seems to indicate that these materials will have an important role in research and probably in control if the soybean crop is to be used for cattle feed, particularly if the costs of these dusts decreases.

Larry F. Livingston, of E. I. duPont de Nemours & Co., Wilmington, Del., said that there are approximately 7,000 research projects in the State experiment stations of the United States. Of these in 1936 he said that 232, or about three percent, dealt directly with the industrial use of agricultural products. He concluded by saying that in order to make farm crops more available for industry, and industry more available for farm crops, it must be remembered that farming is a business; that research, with special emphasis on chemurgic research, is the main answer to the subject, but that agricultural engineering research must keep pace with other departments in order to secure chemurgic success that capital must have confidence in the future, to be willing to risk investing in long-term research, and that States expecting to benefit from chemurgic factories should study their fiscal and tax condition and compare them with their neighbors.

U.S. Revenue Returns Show Decline in March

Collections of excise taxes by the Bureau of Internal Revenue, Washington, for March, 1938, compared with 1937 as follows:

Taxes Collected

	March 1938.	March 1937.
Chewing gum	$102,636.73	$72,213.32
Crude petroleum, processed, etc.	83,026.81	85,375.20
Coconut, etc., oils, processed	1,630,695.83	3,066,153.87
Distilled spirits, domestic, excise tax $2 per gallon	18,756,518.81	19,957,292.02
Distilled spirits, imported, excise tax $2 per gallon	1,871,163.88	2,734,080.46
Gasoline	14,218,796.50	12,970,980.46
Lubricating oils	1,876,304.57	2,057,293.36
Matches	309,735.25	602,243.00
Narcotics, including special taxes	22,352.36	18,037.46
Oleomargarin, excise taxes	103,311.48	95,767.10
Oleomargarin, special taxes	11,784.82	14,261.00
Toilet preparations—At 5 percent	416,394.65	1,045,307.31
At 10 percent	584,395.09	1,724,381.69
Transportation of oil by pipeline	1,177,678.03	1,195,186.23
Total internal revenue	$916,945,368.24	$934,555,267.57

Quantities Taxed

	March 1938.	March 1937.
Distilled spirits, domestic, tax gallons	9,367,898	9,964,278
Distilled spirits, imported, tax gallons	935,582	1,367,040
Distilled spirits, rectified, proof gallons	2,784,219	2,907,336
Oleomargarin, colored, pounds	60,041	62,292
Oleomargarin, uncolored	38,922,952	35,677,200

Fuller's Earth Output Declined Slightly in 1937

Consumption of fuller's earth, or natural bleaching clays, in the United States declined slightly in 1937, notwithstanding further expansion in oil refining to an all time record. Domestic production of fuller's earth, as reported by the Bureau of Mines, was 226,165 short tons, valued at $2,296,094, in 1937, compared with 230,814 tons, worth $2,264,978, in 1936, according to the Bureau of Mines. Of interest is the expanding use of artificial activated earths, made mostly from bentonites, and of acid-sprayed earths, such as are produced especially in Texas.

Domestic Uses

	Short tons 1937.	Short tons 1936.
Bleaching, clarifying, decolorizing, or filtering:—		
Mineral oils	200,705	202,809
Vegetable oils and animal fats	20,404	22,489
Miscellaneous	5,056	5,516
Imports:—		
Unwrought or unmanufactured	45	71
Wrought or manufactured	2,241	2,662
Exports	8,104	6,118

Salt Output Up in 1937

Output of salt from domestic mines, wells, and ponds rose in 1937 to another new record although the gain of 5 percent in quantity over the previous year's total was less pronounced than the 11 percent advance registered in 1936.

	Short tons 1937.	Short tons 1936.
Sold or used by producers—		
Manufactured	2,579,552	2,539,597
In brine	4,631,589	4,279,760
Rock salt	2,030,432	2,009,579
Imports	45,996	51,041
Exports	70,111	76,974
Apparent consumption	9,217,449	8,803,003

Citrine Company, customs manufacturer of effervescent tablets, Toledo, Ohio, is arranging to occupy larger quarters and to expand its operations.

Colloidal Products Company, pharmaceutical and cosmetic manufacturer, has leased offices in the Empire Trust Company building, 580 Fifth avenue, this city.

Foreign Trade Openings

Correspondence in regard to any of the following foreign trade openings should be addressed to the Bureau of Foreign and Domestic Commerce, Washington, or to any district office or cooperative office of the bureau and not to this publication. When writing give the number of the item:—

Ammonia nitrate:—Purchase; Batavia, Java (6230).

Antiseptics:—Agency; Nairobi, East Africa (6205).

Cascara sagrada:—Purchase; Havre, France (6231).

Chemicals for silk thread:—Agency; Lyon, France (6172).

Chemicals, industrial:—Agency; Bombay, India (6232).

Disinfectants:—Agency; East Africa (6205).

Dyes:—Agency; Lyon, France (6172).

Fertilizers:—Agency; Bombay, India (6232).

Gum, copal:—Purchase; Tel-Aviv, Palestine (7174).

Hair preparation:—Purchase; Tananarive, Madagascar (6173).

Inks, printers:—Purchase; Tel-Aviv, Palestine (7174).

Naval stores:—Agency; Rio de Janeiro, Brazil (6193).

Paint materials:—Agency; Bombay, India (6232).

Paints, ready-mixed:—Agency; Medellin, Colombia (6221).

Pharmaceuticals:—Agency; Belize, Honduras (6242).

Rosin:—Purchase; Tel-Aviv, Palestine (7174).

Rubber goods, surgeons:—Agency; Nairobi, East Africa (6205).

Soda, caustic:—Agency; Manila, P. I. (6237).

Wood preservative:—Agency; Nairobi, East Africa (6205).

Bliss Rejoins Foote Mineral Co.

L. G. Bliss has rejoined the Foote Mineral Company, manufacturer of chemicals, metals and mineral products, Philadelphia, Pa., as a sales engineer. Mr. Bliss, who completed his undergraduate and graduate studies in chemistry at Rutgers College and was a member of the faculty for several years, formerly worked in the research end of the Foote company. For the past two years he has been affiliated with another company.

Price Trends of Representative Chemicals, Oils, Drugs: 1934-38

Industrial Chemicals

	1934. H.	1934. L.	1935. H.	1935. L.	1936. H.	1936. L.	1937. H.	1937. L.	1938. H.	1938. L.
Acetic acid, 28%.....	$2.91	$2.40	$2.45	$2.40	$2.45	$2.45	$2.53	$2.23	$2.23	$2.23
Boric, tech., gran.....	80.00	80.00	105.00	80.00	105.00	105.00	105.00	105.00	105.00	105.00
Chromic	.13¾	.13½	.14¼	.13¾	.14¾	.14¾	.15¼	.14¾	.15¼	.15¼
Sulphuric, 66 deg.....	15.50	15.50	15.50	15.50	15.50	15.50	16.50	15.50	16.50	16.50
Alum, ammonia.....	3.00	2.75	2.75	2.75	2.75	2.75	3.00	2.75	3.15	3.15
Alumina sulphate, com'l..	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35
Ammonia, anhyd.....	.15½	.15½	.16	.15½	.16	.16	.16	.16	.16	.16
Bleaching powder.....	1.90	1.90	2.00	1.90	2.00	2.00	2.00	2.00	2.00	2.00
Calcium acetate.....	3.00	2.00	2.10	2.00	2.10	2.10	2.25	1.65	1.65	1.65
Arsenate	.07	.05	.06	.06	.06½	.06	.06¾	.06½	.06¾	.06¾
Chlorine, liq., tech.....	2.00	1.85	2.15	2.00	2.15	2.15	2.15	2.15	2.15	2.15
Potash carbonate.....	.07⅞	.07½	.07⅞	.06⅞	.06⅞	.06½	.06½	.06½	.06½	.06½
Caustic	.07½	.06¾	.06¼	.06¼	.07	.06¾	.07	.06¾	.07	.07
Soda ash, 58% light.....	1.05	1.05	1.05	1.05	1.05	1.05	1.05	.90	1.10	1.10
Caustic, elect.....	2.55	2.55	2.55	2.55	2.55	2.55	2.55	2.30	2.70	2.70
Phosphate, tri.....	2.70	2.40	2.40	2.10	2.10	1.75	2.00	1.75	2.00	2.00
Silicofluoride	.05	.04¾	.05	.04¾	.07	.04½	.06½	.05¾	.05¾	.05¾
Sulphate, anhyd.....	2.20	2.20	1.15	1.15	1.45	1.15	1.45	1.45	1.45	1.45

Coaltar Chemicals

Anilin oil.....	$0.15	$0.15	$0.15	$0.15	$0.15	$0.15	$0.15	$0.15	$0.15	$0.15
Betanaphthol	.22	.22	.24	.22	.24	.24	.23	.23	.23	.23
Benzol	.22	.15	.18	.15	.18	.16	.16	.16	.16	.16
Creosote oil, crude.....	.11	.11	.12	.11½	.13	.12½	.13½	.13	.13½	.13½
Cresylic acid.....	.54	.46	.51	.42	.73	.51	.89	.72	.89	.89
Naphthalene, crude.....	2.15	1.75	3.00	1.75	4.00	2.50	3.00	2.00	2.35	2.35
Phenol	.14¼	.14¼	.14¼	.14¼	.14¼	.13¼	.14½	.13¼	.14½	.14½
Phthalic, anhydride.....	.15½	.15½	.15½	.15½	.15½	.15½	.15½	.14½	.14½	.14½
Solvent naphtha.....	.26	.26	.30	.26	.30	.30	.30	.30	.30	.30
Toluol	.30	.30	.30	.30	.30	.30	.30	.30	.30	.30
Xylol	.26	.26	.30	.26	.30	.30	.30	.30	.30	.30

Dyestuffs, Textile, Leather Chemicals

Cochineal	$0.36	$0.34	$0.34	$0.32	$0.32	$0.32	$0.35	$0.32	$0.35	$0.35
Cornstarch	3.56	2.81	3.66	3.23	4.19	3.90	4.33	2.63	2.98	2.88
Egg yolk.....	.46	.42	.56	.46	.54	.49	.68	.52	.68	.63
Fustic, ext., liq.....	.09½	.08½	.08½	.08½	.08½	.08½	.09½	.08½	.09½	.09½
Logwood, ext., liq.....	.08½	.08½	.08½	.08½	.08½	.08½	.09½	.08½	.09½	.09½
Myrobalans	29.00	25.00	25.00	23.00	24.50	21.50	31.00	25.50	30.00	27.50
Potash bichromate.....	.08¼	.08¼	.08½	.08¼	.08⅝	.08½	.08⅞	.08⅝	.08⅞	.08⅞
Soda bichromate.....	.06⅛	.06⅛	.06½	.06⅛	.06⅝	.06½	.06⅞	.06⅝	.06⅞	.06⅞
Sumac, grd.....	70.00	58.00	58.00	50.00	65.00	52.00	65.00	59.00	66.00	62.00
Valonia	48.00	39.00	58.00	41.00	64.50	46.00	49.00	46.00	52.00	49.00

Paint, Varnish and Lacquer Materials

Acetone	$0.11	$0.10	$0.11	$0.11	$0.11	$0.06	$0.06	$0.05	$0.05⅜	$0.05⅜
Barytes, dom.....	22.20	22.20	22.85	22.20	22.85	22.85	22.85	22.85	22.85	22.85
Butyl alcohol.....	.12	.09½	.12	.11	.11	.08½	.09	.09	.09	.09
Carbon black.....	.0505	.0505	.0505	.0505	.0505	.0505	.0505	.0355	.0380	.0330
Chrome yellow.....	.15	.15	.15	.11	.13	.11	.15½	.13	.14½	.14½
Copal, Manila, W.S.....	.09⅛	.09⅛	.09⅜	.08½	.09⅛	.08⅛	.08⅜	.08⅛	.08⅜	.08⅜
Dammar, Batavia.....	.13⅜	.11⅜	.13½	.11⅜	.14½	.12⅜	.17¼	.14½	.17¼	.16
Ester gum.....	.07¼	.05⅜	.07⅜	.07¼	.10	.07⅜	.11½	.09	.09	.07⅜
Film scrap, w.w.....	.14	.14	.15	.14	.15	.15	.15	.15	.16	.15½
Iron blues.....	.36½	.35½	.37	.36½	.37	.36	.36	.36	.36	.36
Nitrocellulose a/s.....	.29	.29	.29	.29	.29	.28	.28	.28	.28	.28
Ocher, Fr., light.....	.03	.02½	.03	.02½	.03	.02¼	.02⅜	.02¼	.02⅜	.02⅜
Red iron oxide.....	.09¼	.08¼	.08⅜	.08½	.08½	.08½	.08½	.08½	.08½	.08½
Red lead.....	.07⅜	.06½	.07½	.06½	.09	.07½	.10⅜	.07½	.07½	.07¼
Rosin	6.75	5.00	6.00	5.15	11.05	5.50	11.75	6.05	7.25	5.50
Shellac, bone dry.....	.35	.26	.31	.19	.23½	.17½	.21	.17	.17	.16½
T. N.....	.28	.17	.21	.14½	.17	.13½	.14	.12	.12	.11
Titanium white.....	.06	.06	.06	.06	.06	.05¾	.05⅞	.05⅝	.05⅞	.05⅞
Turpentine	.66	.46½	.56½	.48	.50¾	.40¾	.48½	.31½	.36¼	.29½
White lead.....	.06½	.06½	.06½	.06½	.07¼	.06½	.09	.06½	.06½	.06
Zinc oxide, l. f.....	.06½	.05¾	.06½	.05	.05¼	.05	.06¼	.05¼	.06¼	.06¼

Oils, Fats, and Waxes

Beeswax, Afric.....	$0.21½	$0.20	$0.23½	$0.21	$0.26	$0.23	$0.29½	$0.25	$0.25	$0.24
Candelilla wax.....	.14	.10½	.16	.10	.16	.15	.15½	.13	.14½	.13½
Carnauba wax, 3, chalky..	.21	.16	.39	.21	.36	.33½	.38¾	.33	.33	.32½
Chinawood oil.....	.098	.072	.35	.088	.0860	.1260	.2400	.1180	.1550	.1150
Coconut oil.....	.03⅜	.02½	.06⅛	.03½	.09¼	.03⅞	.10⅛	.03⅞	.04¼	.03⅝
Corn oil, crude.....	.09½	.03½	.11	.08¾	.10¼	.08	.10¼	.06½	.07⅜	.06⅝
Cottonseed oil, crude.....	.0952	.0337½	.01050	.0800	.1000	.0750	.1050	.0587½	.0712½	.0587½
Japan wax.....	.06¾	.06	.08⅜	.06	.09¾	.08¼	.11	.09½	.10¼	.10
Lard	10.35	4.10	16.90	10.90	13.70	10.25	14.15	8.80	9.65	8.65
Lard oil.....	13.50	7.50	20.50	13.50	16.25	12.25	16.75	12.75	12.75	12.25
Linseed oil....t.....	.0950	.0810	.0960	.0770	.0970	.0880	.1070	.0960	.0970	.0910
Menhaden oil.....	.25	.15	.35	.25	.36	.28	.45	.34	.40	.35
Neatsfoot oil.....	16.50	16.50	17.00	16.25	16.75	16.00	18.25	17.00	17.25	16.25
Olive oil.....	.89	.84	.94	.80	1.60	.70	1.65	1.15	1.15	1.00
Perilla oil.....	.09½	.08¼	.10½	.07¼	.11	.08	.13¼	.10½	.11	.10¼
Red oil.....	.06½	.06	.08¾	.06½	.09¾	.07	.10⅜	.08¾	.08¾	.08¾
Sardine oil.....	.25	.13	.38	.24½	.46	.28	.54½	.36	.46½	.37
Soybean oil.....	.0800	.0690	.1000	.0800	.1050	.0700	.1080	.0690	.07	.06
Stearic acid.....	.10	.09	.11¼	.09½	.11½	.08½	.12½	.11	.11	.11
Tallow	.05½	.02⅞	.07⅜	.05⅜	.08⅜	.04⅛	.10¼	.05⅞	.06⅝	.05⅜

Drugs and Fine Chemicals

	1934. H.	1934. L.	1935. H.	1935. L.	1936. H.	1936. L.	1937. H.	1937. L.	1938. H.	1938. L.
Agar agar, 1.....	$0.55	$0.52	$0.90	$0.52	$0.90	$0.67	$1.15	$0.72	$1.05	$0.90
Alcohol, S.D. 1.....	.316	.295	.31	.295	.31	.23	.27	.26	.27	.25
Aloin	1.30	.90	1.60	1.30	1.60	1.50	2.00	1.50	2.00	2.00
Bismuth subcarbonate.....	1.80	1.65	1.65	1.40	1.40	1.40	1.40	1.23	1.23	1.23
Metal	1.30	1.10	1.10	.90	1.00	1.00	1.00	1.00	1.00	1.00
Cadmium metal.....	.55	.55	.85	.55	1.05	.85	1.60	1.05	1.60	1.35
Calomel	1.31	1.11	1.11	1.01	1.40	1.01	1.59	1.40	1.50	1.18
Castor oil.....	.09½	.09½	.19	.09½	.10	.10	.10	.10	.10	.09
Corn syrup, 42°.....	3.59	3.04	3.63	3.18	4.10	3.05	4.36	3.11	3.11	3.04
Corrosive sublimate, cryst.	.88	.82	.76	.71	1.05	.76	1.30	1.20	1.30	1.05
Cream of tartar.....	.19¾	.17¾	.17¾	.17½	.17½	.15	.19¾	.15	.19¾	.19¾
Epsom salt.....	2.15	2.15	2.15	1.90	1.90	1.90	2.00	1.90	1.90	1.90
Iodine, resubl.....	2.40	1.90	1.90	1.65	1.65	1.50	1.50	1.50	1.50	1.50
Iron-ammonia citrate.....	.57	.52	.52	.49	.49	.37	.37	.37	.37	.37
Menthol	3.50	2.45	3.75	2.80	3.75	3.10	3.40	3.10	3.15	3.10
Quicksilver	76.00	67.00	75.00	69.50	94.00	74.00	97.00	81.00	81.00	72.00
Quinine	.51	.51	.51	.51	.53	.51	.53	.53	.53	.53
Santonin	48.00	25.00	70.00	26.00	43.00	30.00	43.00	25.00	25.00	21.00
Silver nitrate.....	.38¾	.31½	.50	.36¾	.33½	.32¾	.33¾	.32½	.32⅝	.32⅝
Thymol	1.85	1.65	1.85	1.65	1.65	1.55	1.65	1.55	1.65	1.50
Vanillin, ex eugenol.....	4.50	4.00	4.00	3.00	3.75	3.65	3.10	3.10	3.10	3.10

Botanical Drugs, Spices, and Gums

Aletris root.....	$0.27	$0.18	$0.30	$0.27	$0.30	$0.29	$0.45	$0.30	$0.45	$0.45
Arnica flowers.....	.15	.14	.30	.15	.33	.25	.35	.27	.33	.29
Belladonna leaves.....	.22	.18	.18	.14	.14	.14	.14	.14	.14	.14
Cascara sagrada bark.....	.10	.08	.11	.08	.12	.11	.14½	.11¾	.11¾	.09¾
Dandelion root.....	.24	.17	.24	.18	.23	.18	.23	.19	.19	.15
Digitalis leaves.....	.35	.30	.30	.24	.26	.23	.65	.24	.65	.42
Ergot, U.S.P.....	.46	.35	2.10	.34	2.25	1.35	2.05	1.50	1.50	1.25
Golden seal root.....	1.05	.85	2.00	1.05	2.85	2.00	3.55	2.85	3.65	3.65
Gum arabic, sorts.....	.09½	.08	.13	.09½	.10¼	.09	.14½	.09¾	.11¾	.10¼
Henbane leaves.....	.23	.17	.28	.19	.22	.20	.21	.19	.19	.15
Lavender flowers, select...	.60	.40	1.05	.60	1.05	.63	.60	.50	.50	.50
Lycopodium	.32	.32	.80	.32	1.25	.80	1.40	.95	1.30	1.15
Myrrh	.25	.23	.40	.22	.40	.35	.45	.40	.36	.36
Papain	4.50	2.50	3.25	1.75	1.75	.95	2.75	.95	2.75	1.45
Rhubarb root.....	.29	.24	.38	.23	.35	.30	.75	.32	.65	.45
Saffron, Spanish.....	12.75	11.25	12.25	9.50	18.00	11.50	23.00	14.00	23.00	23.00
Senega root.....	.37	.23	.33	.23	.36	.33	.60	.36	.70	.57
Stramonium leaves.....	.30	.13	.13	.08	.11	.07	.11	.11	.11	.10
Tonka beans, Angost.....	4.00	2.50	2.75	1.85	2.50	2.50	2.50	2.50	2.50	2.50
Valerian root.....	.22	.13	.23	.13½	.13½	.11	.11	.09	.12	.10
Vanilla beans, Bourb.....	3.00	.85	2.70	2.00	3.75	2.40	4.75	3.25	3.35	3.35
Mexican	3.50	3.00	3.25	3.00	4.00	3.00	4.75	4.00	4.25	4.25

Essential Oils

Anise	$0.45	$0.39	$0.50	$0.40	$0.95	$0.50	$1.35	$0.70	$1.25	$1.05
Bergamot	1.50	1.40	1.80	1.30	2.95	1.60	4.00	2.95	4.00	4.00
Cassia	1.18	1.00	1.52	1.10	1.10	.90	1.25	.90	1.20	1.05
Citronella, Ceyl.....	.38	.24	.28	.22	.29	.18	.42	.32	.42	.36½
Clove	.92	.89	.90	.83	1.05	.88	1.25	1.05	1.07	1.02
Geranium, Alg.....	6.00	4.75	5.25	4.50	5.25	4.50	4.85	4.00	4.00	3.50
Lavender, U.S.P. VIII....	3.00	2.25	3.00	2.55	2.75	2.55	2.25	2.25	2.25	2.25
Lemon, Calif.....	.75	.50	1.70	.60	3.00	1.00	3.50	2.60	2.50	2.50
Italian	1.00	.90	1.85	.95	2.85	1.00	3.75	2.60	4.00	2.60
Lime, dist.....	5.75	4.65	6.00	4.35	5.75	5.45	6.10	5.40	5.40	4.75
Orange, Calif.....	2.10	1.10	3.00	2.00	3.25	2.25	3.25	1.75	1.75	1.75
Italian	1.60	1.10	2.95	1.50	2.75	1.90	4.00	2.25	2.25	2.25
Peppermint, redist.....	3.65	2.65	3.20	2.05	2.55	2.10	2.80	1.75	2.35	2.20
Spearmint	1.95	1.05	1.75	1.60	2.00	1.40	1.90	1.65	1.65	1.60
Thyme, red.....	.58	.50	1.35	.58	.85	.68	.85	.69	.69	.69
white	.80	.65	.80	.65	.80	.80	.85	.78	.78	.78
Wormwood	3.00	2.75	2.75	2.45	3.00	2.25	3.00	2.00	2.65	2.65

Petroleum Solvents, Lubricants, Fuels

Cylinder stock oil, bright, Pa.	$0.32½	$0.19½	$0.23	$0.18½	$0.25	$0.23	$0.20	$0.20	$0.20	$0.20
Gasoline, 65 oct., G.3.....	.05	.03⅞	.05⅜	.04¼	.05⅜	.04½	.06	.04¼	.04¼	.04¼
Kerosene, 41-43, G.3.....	.04½	.02⅜	.03⅜	.03	.04⅜	.03	.04¼	.03⅜	.04¼	.04¼
Paraffin scale.....	.01¼	.03	.03¼	.1090	.0255	.02¼	.0295	.0140	.0285	.0190
Petrolatum, I. w.....	.06⅜	.06⅜	.06	.05¼	.06	.06	.06	.06	.06	.05½
Petroleum thinner, G.3...	.05⅞	.05½	.05⅞	.05⅞	.06⅜	.05⅞	.06⅞	.05⅞	.06⅜	.05⅜
Stoddard solvent, G.3.....	.06⅜	.05⅜	.06⅜	.06⅜	.06⅞	.06⅜	.07⅜	.06⅜	.06⅞	.05⅞
V.m.p. naphtha, G.3.....	.06⅞	.06¼	.06⅞	.06⅞	.07⅜	.06⅞	.07⅞	.06⅞	.07⅜	.06⅜

Fertilizer Materials

Ammonia sulphate.....	$25.00	$22.00	$24.00	$21.50	$26.00	$24.00	$28.00	$26.00	$29.50	$28.50
Phosphate rock, Fla., 68%.	3.40	2.85	3.40	1.85	1.85	1.85	1.85	1.85	1.85	1.85
Potash, manure salt.....	.638	.43	.48	.43	.55	.48	.58½	.55	.58½	.58½
Muriate	.71	.40	.45	.40	.50	.45	.53½	.50	.53½	.53½
Soda nitrate.....	24.50	23.50	23.50	23.50	25.50	23.50	27.00	25.50	27.00	27.00
Superphosphate	8.00	7.50	8.00	7.75	7.75	7.75	8.50	7.50	8.50	8.50

Zinc Institute Studies Improved Coatings

—Continued from page 5

and cadmium are present in the zinc and so introduce traces of lead and cadmium chlorides into the flux. He added that if the lead and cadmium chlorides are introduced directly into the flux they are partly reduced to metal which enters the galvanizing bath until an equilibrium is reached between the metallic content of the bath and the chloride content of the flux.

In speaking of corrosion on a heavy galvanized coating, Mr. Pierce said that the New Jersey Zinc Company recently developed a treatment called "Cronak," which consists of removal of oil or grease if necessary, a cleaning in a simple dilute hydrochloric acid dip, and a dip of a few seconds in a solution containing a dichromate. Mr. Pierce explained that this is followed by rinsing and rapid drying at a low temperature. The process, he added, lends itself to continuous application immediately after galvanizing. The solution maintenance is low, he concluded, and all of the steps simple and inexpensive.

The immediate purchase by the Federal government of adequate stock-piles of strategic minerals as one of the most effective means of meeting present problems of national defense, was advocated by Dr. John W. Finch, director of the Bureau of Mines. He recommended the annual appropriation by the government of $500,000 to be used by the Bureau of Mines and the Geological Survey for a comprehensive study of ways and means of adapting domestic reserves of strategic minerals to a permanent solution of the deficient mineral problem. Dr. Finch said that a reduction in the present tariff on lead and zinc can hardly be considered in the public interest if viewed from the standpoint of national defense.

O. W. Roskill, London, England, said that the rumors that International Zinc Cartel might be revived were no doubt prompted by the knowledge that the rate of world consumption was declining while production was still being maintained at a high level. He said that if the cartel question is examined seriously there seems to be little immediate prospect of any possible agreement being reached among the leading producers. The autarchic aims of Germany and Italy preclude the possibility of any reduction in output from those countries which formerly obtained a large proportion of their zinc from Poland and Belgium. Mr. Roskill said that world production of zinc in 1937 was estimated at 1,656,000 metric tons, compared with 1,472,000 metric tons in 1936.

Officers and directors elected were:—

President, Howard I. Young, president of the American Zinc, Lead & Smelting Company; first vice president, C. A. Chapin, jr., of the St. Joseph Lead Company; second vice president, John A. Robinson, of the Commerce Mining & Royalty Company; third vice president, James O. Elton, of the International Smelting Company; treasurer, James A. Castleman, of the St. Louis Smelting & Refining Company; secretary, E. V. Gent, of New York.

Directors elected for three-year terms were:—Kenneth C. Brownell, of the U. S. Smelting & Refining Company; C. H. Crane, of the St. Joseph Lead Company; Benno Elkan, of the National Zinc Company; E. W. Furst, of E. I. duPont de Nemours & Co., Grasselli Chemicals Department; J. R. Hobbins, of the Anaconda Copper Mining Company, John A. Robinson, of the Commerce Mining & Royalty Company; F. C. Wallower, of Joplin, Mo.; L. E. Wemple, of the Illinois Zinc Company, and B. N. Zimmer, of the American Metal Company.

Zinc Production in 1937 Showed 14% Increase

The production of distilled and electrolytic zinc at primary zinc reduction plants in the United States in 1937 amounted to 608,458 short tons, against 534,341 tons in 1936, according to the Bureau of Mines. Of the total for 1937, 551,165 tons were primary metal from domestic ore, 5,739 tons were primary metal from foreign ore, and 51,554 tons were secondary metal.

In 1937 the total production of primary zinc included 439,393 tons of metal recovered by distillation and 117,511 tons recovered by electrolysis. Pennsylvania contributed the largest output of primary zinc of any state with an output of 175,275 tons all produced by distillation. Of the electrolytic zinc production Montana contributed 94,680 tons.

The supply of new zinc available for consumption in the United States in 1937 amounted to 570,219 tons, against 538,794 tons in 1936. At the end of 1937 stocks at primary smelters and electrolytic refineries were 79,144 tons, compared with 55,500 tons on hand December 31, 1936.

China Clay 1937 Output Established High Record

Production of china clay in 1937 amounted to 732,282 short tons, compared with 638,939 tons in 1936. The 1937 tonnage is 30 percent higher than 1930, the former peak year. Imports amounted to 146,523 tons, an increase of about 5 percent over the 1936 figure.

Sales by U.S. Producers

	—Short tons— 1937.	1936.
Pottery and stoneware:—		
Whiteware, etc.....	50,638	52,196
Art pottery.....	200	407
Tile, high-grade.....	17,012	13,955
Kiln furniture, etc.:—		
Saggers, pins, stilts.....	1,522	2,220
Paper:—		
Filler	335,031	322,970
Coating	91,146	57,056
Rubber	86,007	72,712
Linoleum and oilcloth.....	6,368	1,620
Paints:—		
Filler or extender.....	5,343	10,429
Kalsomine	1,884	3,233
Cement manufacture.....	32,788	26,304
Refractories:—		
Firebrick and block.....	70,414	43,556
Fireclay mortar.....	2,038	1,674
Glass pots.....	....	200
Other glass refractories....	244	258
Foundries, steel works....	4,474	4,469
Miscellaneous:—		
Asbestos products.....	299	401
Chemicals	2,417	3,039
Enameling	82	30
Plaster and plaster products	3,674	3,675
Heavy clay products.....	1,535	2,338
Other uses.....	19,166	16,197

Louis Delardi, of the Mallinckrodt Chemical Works, this city, was married to Miss Mary Bell in the Holy Cross R. C. Church, Bronx, April 24. After a two weeks' honeymoon in Washington, D. C., and Atlantic City, they will be at home at 1735 Lafayette avenue, Bronx.

Heavy Chemicals

Paper Chemicals Moving at Steady Pace—Blue Vitriol More Active —Tin Derivatives Reduced—Copperas Shortage Unrelieved —Lead Nitrate Lower—Alkalies Hold Firm

Demand for industrial chemicals continued highly irregular last week. Although industrial actvity depicted little improvement, seasonal chemicals moved in volume sufficient to offset the lull in basic consuming industries. However, it is still too early to definitely state whether April business retained the gains reported for March, some quarters reported that the improvement was held, especially in the earlier weeks of the month. Prospects of final enactment by Congress of a tax bill for a modified undistributed profits tax, and abolishment of the present system of taxing long term capital gains, combined to create a more cheerful feeling.

Fractional reductions for tin crystals, anhydrous tetrachloride of tin, and soda stannate, reflected the lower basic metal price. Rejection by the Malayan government of proposals to stabilize international prices of tin, together with unfavorable world statistics was responsible for the easier tone. Lead nitrate was fractionally lower. Soda abietate and ricinoleic acid also declined.

Paper chemicals were moving at a fairly steady pace last week. Saltcake, alumina sulphate commercial iron-free and chlorine, all enjoyed a fair-sized demand. Current paper production was estimated around 68 percent of capacity, compared with 54 percent during December and 93 percent at this time last year. The outlook appeared better as the result of price stabilization after recent general reductions.

Blue vitriol moved at a brisk pace again last week, agricultural demand held up well, while commercial commitments likewise were surprisingly good. Calcium chloride moved out fairly steady for dust control activities, dealers coming into the market more consistently the past few months. Lead arsenate, paradichlorobenzene and other insecticides and fungicides continued their normal seasonal improvement. Alkalies were steady. Sulphuric acid was quiet. Copperas continued about the same because of continued low steel operations. Cyanides were dull, mirroring the conditions in the automotive industry and metallurgical trade.

Alums.—A fairly steady demand for commercial iron-free alumina sulphate was reported last week for the account of the paper trade. The call for ammonia, potash and hydrate alums was about the same, with usual consumers adhering to a moderate purchasing policy. Prices in all instances were steady to firm.

Ammonia, Anhydrous. — Warmer weather created a more active interest in this material last week, sellers were optimistic for the future. Prices were well sustained at previous levels.

Ammonia Carbonate. — Business was fair at times, with the food industry providing the chief interest. Prices were without alteration.

Ammoniac, Sal. — The call for the white and gray material was along quiet lines, with consumers ordering out for nearby requirements only. Prices continue the same.

Antimony Metal. — Domestic prices continue unaltered at 13¾c. per pound, ex store. There was comparatively little to report in the market, with principal consumers content to mark time. The National Resources Commission has denied that an agreement or an arrangement has been consummated with a large investment company tc act as sole selling agent of Hunan antimony and no secret arrangement was contemplated, according to a cable from the American consulate in Hankow. The Hankow Foreign Trade Office will continue to sell antimony to legitimate dealers in China and abroad, except in Japan.

Arsenic.—The call for arsenic metal and red and white arsenic continued narrow. The ceramic trade was placing commitments on a hand-to-mouth basis. Prices were well maintained at previous levels. Almost the whole of the Belgian output of white arsenic is exported, the principal customers being France, Germany, Argentina and the United States.

Barium Salts.—Business in the market continued spotty. A seasonal demand was noticeable for the carbonate and sulphide for the account of the paint trade, while chlorate was enjoying a moderate call from firework manufacturers. Prices were steady to firm.

Bleaching Powder. — Withdrawals against contracts were fair last week, the call came from the laundry trade and for disinfectant purposes. Prices were without alteration.

Blue Vitriol. — A brisk business continued in evidence in the market again last week. The demand for insecticidal purposes was good, while commercial demand held up surprisingly well, reports of an order for metallurgical purposes was revealed last week, the first in some time. The export demand was excellent, and supplies were none too plentiful to supply the requirements. Prices were firm.

Calcium Chloride. — Sellers report a fair demand for this material for dust control work. Dealers have been coming into the market for fair-sized quantities in the last two months, it is still too early to state whether demand will equal last year's record. Prices were firm at previously established levels.

Carbon Dioxide. — A better inquiry was uncovered for the account of large consumers, reflecting the approach of warmer weather. Prices were without change.

Carbon Tetrachloride. — Dry cleaning industry was reported taking fair quantities last week. The call from the lacquer trade and other consumers was along modest lines. Prices were steady to firm.

Chlorine. — Shipments continued to move out at a steady pace. The call came from municipalities and states for sewage disposal activities. The paper industry likewise came in the market for fair quantities. Prices were well maintained at previous levels.

Chrome Cake.—A steady to firm tone governed the dealings in this direction throughout the past week. Business was described as fair, with major consumers inclined toward a hand-to-mouth buying policy.

Copper. — While domestic demand for copper continued quiet, a good inquiry for export account was in evidence. The United Kingdom and Russian orders have diminished somewhat, but central European countries continued to be active factors in the market. Foreign copper stocks have been decreasing and were not thought to be burdensome. The domestic price continued unchanged, and the export quotations ranged around the 10c. level. Discussions for the renewal or abandonment of the international copper cartel, which will expire on July 1, 1938, will get underway shortly with the arrival of American representatives next week. Exports of copper and copper products from the United States in March, 1938, including copper brought into this country for refining and exportation, were less than the $5,903,806

Price Changes

Prices were changed during the past week as follows:—

Advanced

None

Reduced

Acid, recinoleic, 3c. per lb.
Lead nitrate, tech., ¼c. per lb.
Soda abietate, 3c. per lb.
stannate, ½c. per lb.
Tin, Straits, 1c. per lb.
tetrachloride, anhy., ¼c. per lb.
crystals, ½c. per lb.

Comparative Values

Index numbers compiled from twelve typical chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
153.4	**153.4**	**153.6**	**154.3**

Index numbers compiled from twelve typical acids on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
99.6	**99.6**	**99.6**	**99.6**

Market news that may have developed after this report was sent to press will be found on page 4.

Current prices on heavy chemicals are given in the alphabetical list of prices beginning on page 7

TURNER
LIQUID CAUSTIC SODA
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Local delivery tank truck service throughout the Metropolitan New York area.
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TITANIUM TETRACHLORIDE : CAUSTIC SODA : SULPHUR
CHLORIDE : SULPHUR : SILICON TETRACHLORIDE
CREAM OF TARTAR : SULPHURIC ACID : CARBON
BISULPHIDE : TARTARIC ACID : WHITING
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Para-dichlorobenzene
Ortho-dichlorobenzene
Ammonium Bicarbonate
Potassium Carbonate
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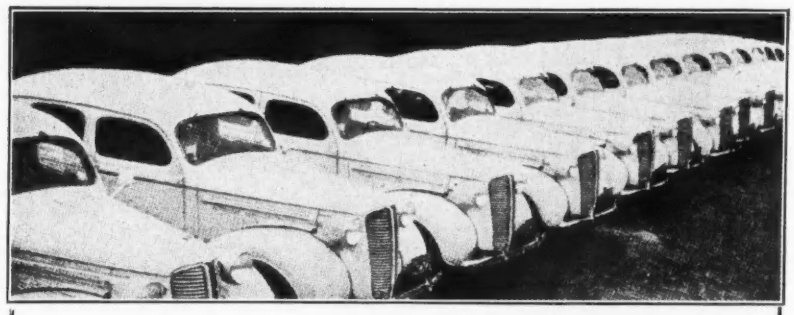

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Purchase of your present equipment at fair appraisal value.

COST ANALYSIS:

	Per month
Plymouth or Chevrolet Sedans or Coaches	$45.00
Dodges (slightly higher per month)	
Rental cost per year based on $45.00 per month	$540.00
Based on 24,000 miles, the average yearly mileage of salesmen and 18 miles per gallon or 1c per mile for gas	240.00
Average fleet cost Public Liability and Property Damage insurance	30.00
	$810.00

This total of $810.00 divided by 24,000 miles gives you a total operating cost of .0337 cents per mile. As mileage increases, your cost per mile decreases because our rate remains standard. At 30,000 miles per year your cost would be .029 cents per mile.

Our rate includes every item of expense incident to the operation of cars, except gasoline and Public Liability and Property Damage insurance which we do not furnish. The cost of these two items has been approximated, herewith, based on our past experience. By adding these costs to our leasing charge wa set forth what your actual cost per year or per mile should be under our plan.

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trade in February, and considerably below the March, 1937, trade, which was valued at $8,992,942, according to preliminary report released by the Metals and Minerals Divisions of the Bureau of Foreign and Domestic Commerce. March copper imports, also including copper entering the United States to be refined and reshipped to foreign countries, were valued at $3,506,274 in comparison with $2,874,811 in February, and $3,173,927 in March, 1937, it was stated.

Copper Salts. — Prices for the various copper derivatives were steady to firm last week. The oxides were in fair demand for ship maintenance work. The call for copper chloride, cyanide, carbonate and nitrate was quiet.

Copperas. — The continuance of low steel operations did not augur well for any improvement in the situation for copperas. Supplies were reported at a minimum as the result of low production levels. Steel production last week was scheduled at 32 percent of capacity, compared with 32.4 percent a week ago, 35.7 percent a month ago and 92.3 percent in the corresponding period a year ago, according to the American Iron and Steel Institute.

Lead Nitrate.—Prices were ¼c. per per pound lower at 10c. to 13c. per pound, according to quantity. Market continued dull.

Lime.—Demand continued highly irregular as the result of the mixed trend of industrial activity. The demand for agricultural purposes enjoyed a seasonal stimulation, while chemical processors, building and metallurgical channels were restricting commitments to nearby requirements only. Prices were well sustained in all instances.

Magnesium. — The demand from metallurgical and ceramic industry and other consumers was quiet. Prices were unaltered. Magnesium is being employed to replace copper and zinc in the manufacture of engraving plates for the reproduction of pictures in books and catalogs. Magnesium metal is harder than zinc and can be handled more easily than the copper-zinc alloy, which had to be submitted to a special treatment before being made into plates.

Nickel Salts.—Business for the account of the plating trade continued moderate. Prices were well sustained. Automobile production last week totaled 60,563 units, a decline of 1,458 units from the preceding week, and compared with 78,527 units in the same week last year. The drop was attributed primarliy to labor troubles in the Flint area.

Potash Bisulphate.—Only routine interest was focused in the market last week. Chemical processors, fertilizer and food industry were supplying the call. Prices remain unchanged.

Potash, Caustic.—Sellers reported a steady to firm tone prevailed, although usual consumers were placing orders on a hand-to-mouth basis. Prices were unaltered.

Potash Chlorate.—Firework manufacturers continue to display a fair interest for this material, and disinfectant and paper trade made moderate withdrawals. Prices were in conformity with the previous period.

Saltcake.—The paper industry supplied the chief interest in the market. Current production of paper was estimated around 68 percent of capacity, compared with 94 percent at this time a year ago and 54 percent at the end of December. The call from glass industry was commensurate with low production levels, although the container division was holding up comparatively well.

Soda Abietate.—Prices were reduced 3c. per pound at 10c. per pound. Business continued quiet, and small quantities made up the call.

Soda Ash.—Shipments continue to reflect the trend of operations in basic consuming industries. Sellers report a fairly steady demand for moderate amounts, and prices were steady at previous levels.

Soda, Caustic.—An irregular trend was in evidence throughout the past week. Shipments were at a fairly steady pace in some major consuming lines, while others were handicapped by lower production schedules. Prices were without alteration.

Soda Cyanide. — Demand continued largely contingent on the call from the plating trade, despite lower prices, sellers reported only routine business entered the market. Prices were firm at previously established levels.

Soda Phosphate.—Shipments of mono-di-and-tri were moving out at a fair clip again last week. Sellers reported no alteration in official price schedules.

Tin Salts. Prices for various tin derivatives were fractionally lower last week; lower prices for the Straits metal was accountable for the easier tone. Tin crystals were 31½c. to 32c. per pound; anhydrous tetrachloride of tin, 19¼c. per pound; soda stannate, 26c. to 29c. per pound, and Straits tin was listed around 37.35c. per pound. Weakness in the basic metal was largely contributed to the refusal of the Malayan government to participate in a buffer pool to stabilize the international tin price. World apparent consumption of tin in the first two months of this year was 26,400 tons, or 5,100 tons below same period last year, according to the International Tin Research and Development Council. World production during the two months fell 1,500 tons to 26,800 tons. It was learned that a domestic tin plate producer has sold tin plate for export at a level 50c. below the previous quotation.

Tungsten Metal Powder.—The general demand continued quiet, largely reflecting conditions in the metallurgical trade. Prices were without change. Supplies from China were more normal, while domestic production was reported at an improved pace. The Canton office of the monopoly, which stopped selling early in August, 1937, confined itself to spot sales and to the fulfillment of outstanding contracts made earlier in the year. It is estimated that, during the quarter, total shipments of wolfram ore from Canton amounted to about 2,500 tons. During the fourth quarter of 1937 tungsten exports from Shanghai totaled only 215,169 pounds, valued at $74,002, compared with 2,719,153 pounds valued at $556,609 for the same quarter of 1936. One explanation for the heavy decrease was the Sino-Japanese hostilities.

Acids

Demand for the various mineral acids showed comparatively little deviation from the quiet prevailing heretofore. Sellers were adhering to official price schedules. Ricinoleic acid declined last week, otherwise the market was devoid of price feature. Sulphuric acid was quiet, reflecting a lagging industrial demand. Chromic acid noted only moderate demand from plating trade and other consumers. Acetic acid was dull. Naphthenic acid remained nominal, last week an announcement was made by the court of customs and patent appeals to the effect that the imported material will be free of duty.

Acetic. — The general demand continued to reflect curtailed operating schedules in textile, match and other principle consuming trades. Prices were the same as the preceding period.

Chromic.—The call from the plating trade and other consumers was for moderate amounts, commensurate with current requirements. Prices continue the same.

Formic. — Interest lagged at times throughout the past week. Prices were in conformity with the preceding period.

Current prices on heavy chemicals are given in the alphabetical list of prices beginning on page 7

Lactic. — Sellers report fair interest was displayed in this direction last week. Prices were steady to firm.

Naphthenic.—The market was a nominal affair. Clarification of the situation appeared near, however, with the announcement last week that imported naphthenic acid will be free of duty, according to a decision rendered by the court of customs and patent appeals.

Oxalic.—Uusual consumers were adhering to a conservative buying policy. Prices were the same as the previous week.

Phosporic. — Shipments were moving at a fair pace during the week just closed. No change was uncovered in quotations.

Ricinoleic.—Prices were lowered 3c. per pound at 35c. per pound. The market was dull, and concerned with small quantities only.

Sulphuric. — The market remained relatively quiet. Withdrawals against contracts were along moderate lines, and spot business was none too active. Sellers were not disposed to alter official price schedules, and quotations remain the same. Existing commercial plants in Argentina account for an annual production of about 20,000 tons of 95 percent sulphuric acid, while the government sanitary works department produces about the same volume of 70 percent acid for use in the manufacture of coagulants for public water supplies. The department referred to is erecting a new plant to produce concentrated acid for the government petroleum refining activities, while a large commercial company has another

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plant under construction for the production of sulphuric acid and the manufacture of other chemical products, according to the office of the American commercial attache at Buenos Aires.

Baltimore, Apr. 27.—With the demand for sulphuric acid down to low levels, the nominal quotations are the same as they have been. Producers were quoting 60 degree acid at $12 per ton and 66 degree acid at $15 per ton. The quiet also extends to oleum, which stands at $17 per ton for 20 percent supplies.

Insecticides

Shipments of agricultural insecticides and fungicides were moving at a normal seasonal pace. Price situation seems to be well stabilized, and no fluctuations were uncovered in either direction. The armyworm has appeared this spring earlier than ever before in oat and alfalfa fields in the Delta section of west central Mississippi and northeastern Louisiana, according to the Department of Agriculture. This year's outbreak started even earlier than last year's, which caught many farmers unaware and proved most costly. Department entomologists find that the most effective and practical way to control this pest is to broadcast poison bran thinly over the infested fields. Airplane dusting with calcium arsenate is fairly successful when the arsenical is applied at the rate of 20 to 30 pounds per acre very early in the morning, or late in the afternoon, while the air is still and preferably while the plants are covered with dew. Unless thorough coverage is obtained, results are poor.

The poison bait recommended by the Department is made by the following formula:—Bran or cottonseed hulls, 100 pounds; powdered white arsenic, 5 pounds (or sodium arsenite solution, one gallon); black strap molasses, 2 gallons; water, 12 gallons. The bran bait is nearly as effective if molasses is omitted.

Naphthenic Acid Ruled Dutyfree

OPD Washington Bureau
April 25, 1938

Imported naphthenic acid is free of duty as a petroleum distillate, it was decided today by the United States Court of Customs and Patent Appeals in a case involving Shell Eastern Peroleum Products, Inc.

The government contended the product was dutiable at 25 percent ad valorem under paragraph 1 of the tariff act of 1930 as an acid not specially provided for, but the court held it should be classified under paragraph 1733 of the free list which covers all distillates obtained from petroleum. Government counsel argued that naphthenic acid should not be considered a distillate of petroleum since it is obtained by refining and purifying kerosene and other fractions of petroleum distillation, but the court held that, since most petroleum distillation products require refining before use, there is no reason for excluding this particular product from the description in the free list.

The case did not involve application to naphthenic acid of the excise tax on imported petroleum products.

Lead Arsenate.—Shipments were following a normal seasonal trend, and continuance was largely dependent on weather conditions and other contingent factors. Prices were steady to firm.

Calcium Arsenate.—Sellers continue to report a fairly steady movement of material into consuming channels. Prices were well sustained at previous levels.

Lime Sulphur Solution.—The call for spraying purposes, while reaching its peak, continues to be fairly steady. No change was uncovered in the quotations.

Paridichlorobenzene. — Seasonal activity was reported to be causing a good movement for this material. Prices were steady to firm at previous levels.

Trade Briefs

Covina Valley Fumigation Company, Covina, Cal., is erecting a new warehouse and garage on Glendon avenue.

Liquid Carbonic Corporation will open a new production unit with a daily capacity of 50,000 pounds of dry ice in Memphis, Tenn., May 1.

Compressed Industrial Gases, Inc., Evansville, Ind., will construct an acetylene manufacturing plant in Conshohocken, Pa., to cost about $250,000.

Leghorn Trading Company, chemical importer, this city, has moved its executive offices to larger quarters at 21 West street. Telephones: Whitehall 3-9636—7—8.

Bridges, Neumer & Co, importer of egg products, located at 70 Pine street, this city, for the past six years, has moved its offices to larger quarters at 82 Wall street.

Charles E. Moyle has been elected president of Standard Brands, Ltd., Montreal, succeeding J. William Horsey. Charles Cassie was made vice-president and general sales manager. The Hon. Lucian Moraud was elected a director.

Francis B. Davis, jr., chairman of the board of the U. S. Rubber Company, will head the committee to solicit contributions of firms in the rubber industry in the $10,000,000 campaign of the Greater New York Fund to supplement finances of private welfare and health agencies.

Chemical Workers Drop But Payrolls Show Gain

—*Continued from page 5*

Payroll Totals

	March, 1938.	Feb., 1938.	March, 1937.
Chemicals	118.0	123.1	140.2
Cottonseed oil, cake and meal	77.7	90.8	58.6
Druggists' preparations	115.3	115.9	121.2
Explosives	90.9	92.4	97.5
Fertilizers	108.5	86.8	127.6
Paint and varnishes	113.3	110.5	133.1
Petroleum refining	135.6	136.6	125.6
Rayon and allied products	301.3	283.4	349.7
Soap	111.3	111.2	123.2

Data compiled by the Bureau of Labor Statistics for basic non-manufacturing industries related to the chemical industries afforded the following comparisons on the basis of the 1929 average:—

	Employment.		Payroll totals.	
	March, 1938.	Feb., 1938.	March, 1938.	Feb., 1938
Metalliferous mining	61.3	64.6	55.1	56.5
Quarrying and non-metallic mining	38.8	36.1	30.2	24.6
Crude petroleum producing	73.8	74.8	69.3	69.5
Dyeing and cleaning	98.2	95.2	67.6	63.6

Employment in New York

Employment in factories producing chemicals and related products in New York State decreased 0.6 percent from February 15 to March 15, but increased 1.0 percent in the city, according to the records of the State Department of Labor.

General factory employment decreased 0.5 percent from February 15 to March 15, and payroll decreased 1.9 percent during the same period. The department's index of employment for March was 77.1 percent. The payroll index was 70.3 percent. These indexes are based on the average years 1925-27 as 100.

March Compared with February

	Percentages. State.	City.
Drugs and industrial chemicals	—8.8	—1.6
Oil products	—0.6	+0.4
Paints and colors	+3.5	+3.8
Photographic and miscellaneous chemicals	0.0	+17.0

American Chemical Society Prize Won by Bartlett

Dr. Paul D. Bartlett, an assistant professor on the staff of Harvard University, has been awarded a $1,000 prize by the American Chemical Society for "notable progress in the important borderline field between organic and physical chemistry." The prize will be presented at the ninety-sixth meeting of the society in Milwaukee next September.

Dr. Bartlett, who is thirty years old, attended Shortridge High School, Indianapolis, Ind., and was graduated cum magna laude from Amherst College in 1928. Three years later he received his doctorate degree from Harvard, later holding a National Research Council fellowship. He was an instructor in organic chemistry for two years at the University of Minnesota before going to Harvard in 1937.

Chemical Engineers Ass'n Meeting to Be Held May 9

—*Continued from page 4*

"Filtration-Accuracy of Production of Plant Operation From Test Data," by E. L. McMillen and H. A. Webber, of Ohio State College.

"The So-Called Thermal Effect On the True Temperature of Catalytic Conversion," by Max Jakob, of the Research Foundation, Armour Institute of Technology, Chicago.

"Economic Life and 'Catalysis' Costs of Contact-Catalysis," by Herman W. Mahr, of E. I. duPont de Nemours & Co., Wilmington.

"The Absorption of Gases in Wet Cyclone Scrubbers," by H. F. Johnstone, University of Illinois Engineering Experiment Station, Urbana, Ill.

May 11, 9:30 a.m.

"Mitigation of Trade Waste Pollution In West Virginia," by L. K. Herndon and J. R. Withrow, of the Department of Chemical Engineering, of the Ohio State University, Columbus, Ohio.

"Graphical Methods for Control of Factory Solutions in Rayon Manufacture," by J. H. Koffolt and J. R. Withrow, of the Ohio State University, Columbus, Ohio.

"The Application of the Materials-Balance to the Cost Control of Manufacturing Operations," by L. W. Bass and E. R. Mease, Mellon Institute of Industrial Research, University of Pittsburgh, Pittsburgh, Pa.

"Adapting the Chemical Engineer to the Food Industries," by Laurence V. Burton, editor of "Food Industries, 330 West 42d street, New York, N. Y.

Transportation and Utilization of Light Hydrocarbons From East Texas," by S. D. Turner and A. C. Rubey, Humble Oil & Refining Company, Houston, Texas.

"Analytic Determination of Plates In Fractionating Columns," by E. H. Smoker, the United Gas Improvement Company, Philadelphia, Pa.

Afternoon Session, 2 o'clock

"Operating Characteristics of Packed Columns," by C. C. Furnas, of Yale University, New Haven, Conn., and F. Bellinger, of the Hercules Experiment Station, Wilmington, Delaware.

"Introduction to Chemical Engineering Thermodynamics," by George G. Brown, of the University of Michigan, Ann Arbor, Michigan.

"Applications of Thermodynamics to Chemical Reaction Equilibria," by Barnett F. Dodge, Chemical Engineering Department, Yale University, New Haven.

"Engineering Utility of the Second Law Principle," by H. C. Weber and Robert York, Jr., of the Massachusetts Institute of Technology, Cambridge, Massachusetts.

Coburn Heads Del. Univ. Chemical Engineering Div.

Dr. Allen P. Colburn has been appointed associate professor of chemical engineering and head of the division of chemical engineering of the School of Engineering of the University of Delaware. Dr. Colburn, a research engineer with E. I. duPont de Nemours & Co., will assume his duties May 1, in order to supervise the construction of the new chemical engineering laboratory, as well as lay plans for the introduction of a five-year curriculum in chemical engineering.

Born in Madison, Wisconsin, in 1904, Dr. Colburn matriculated at Marquette University for two years, and obtained his Ph.D. in 1929 from the University of Wisconsin. He joined the chemical engineering research group at the experiment station of E. I. duPont de Nemours & Co. in 1929, where he has conducted a number of basic researches on heat transfer, flow of fluids, distillation, and absorption.

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Dyestuffs, Textile and Leather Chemicals

Egg Products Reduced—Raw Tanning Materials Unchanged—Zinc Dust Lower—Dyestuffs Firm—Bichromates Steady—Dextrin And Starch in Slightly Better Demand

Demand for dyestuffs, textile and leather chemicals continued spotty last week. Major manufacturing consumers were content to mark time in view of the lower operating schedules, recently established in most sections, before replenishing their stocks of raw materials. Attention was still directed at proposed reciprocal trade agreements and the wages and hours bill. Price changes included lower quotations for egg products and zinc dust.

Reductions in edible egg albumen and egg yolk were brought about by the highly competitive situation, although price of shell eggs was stronger last week. Consequently, sellers did not look for any further weakness in this direction. Zinc dust was slightly lower because of the reduction last week in the basic metal. Corn derivatives were steady, sellers reporting a fair inquiry. The tendency in corn has been toward lower levels. Visible supplies of corn were lower last week, and the export position continued strong with 17,000,000 bushels shipped abroad during April. Dyestuffs were quiet, however, a firm tone was displayed in annatto, logwood and fustic. Bichromates were unchanged, and business on a hand-to-mouth basis.

Raw tanning materials were steady to firm last week. There was no disposition on the part of sellers to change prices in either direction in view of the moderate demand. The outlook seemed more cheerful because of the better demand for leather by tanners as result of higher prices for hides. Shoe manufacturers' stocks were worked down sharply, and retail reorders were anticipated as the result of late Spring buying. Despite larger sales, a large shoe manufacturer in the Ohio section reduced wages because of competitive price cutting in the lower price bracket.

The treasury procurement division continued active in textile buying, inviting bids for 7,150,350 yards of textiles for early May. This is in addition to the two bids submitted last week. Rayon production held steady at the 65 percent of capacity level, with indications the rate would be maintained for the next two months. Wool activity was spotty, but picked up in the West. Cotton mill operations were about the same. A large textile mill in Providence planned to cut wages next week in effort to lower operating costs and stimulate activity.

Comparative Values

Prices were changed during the past week as follows:—

Advanced

None

Reduced

Albumen, egg, ed., dom., crysta., 2c. per lb.
dom., ed., powd., 3c. per lb.
Egg yolk, 2c. per lb.
Zinc dust, 1-10c. per lb.

Price Changes

Index numbers compiled from nineteen typical dyestuffs on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
151.9	**153.1**	**154.4**	**154.1**

Market news that may have developed after this report was sent to press will be found on page 4.

Chemicals

Alumina Chloride.—Price situation remained steady to firm, while commitments were still on a hand-to-mouth basis for nearby production requirements only.

Antimony Salt.—Another routine week was experienced in the market, with usual consumers making moderate withdrawals for nearby requirements. Prices were in conformity with the previous period.

Potash Prussiate.—Usual consumers were adhering to a cautions purchasing policy. Sellers reported that prices were steady to firm.

Soda Bichromate.—There was little disposition to order out beyond current production requirements. No change was revealed in the quotations.

Zinc Dust.—Quotations were slightly easier last week, reflecting the recent reduction in the price for the basic metal. Prices ranged from 6.15c. to 6.65c. per pound, according to quantity. Market continued dull.

Dyestuffs

Annatto.—Prices continued steady to firm last week, although interest was reported only mild. According to private estimates the 1937-38 winter crop of annatto seed in Ecuador amounted to 216,703 kilograms, against 90,960 kilograms for the winter crop of 1936-37. Favorable weather conditions accounted for the increased yield. Exports for the winter crop were as follows:—United States, 70,722 kilograms; Puerto Rico, 138,981 kilograms; Denmark, 20,000 kilograms; France, 16,000 kilograms, and Switzerland, 1,000 kilograms. Domestic consumption from the Winter crop was estimated at 5,000 kilograms. Stocks at present are practically nil. Harvest from the Summer crop is expected to begin in May. The outlook is favorable, according to the American consulate at Guayaquil.

Fustic.—Consumers were limiting commitments to actual production requirements. Prices were well maintained at level in force previously.

Logwood.—A steady to firm price tone prevailed, while orders were reported on a hand-to-mouth basis. Exports of logwood extract from Jamaica in 1937 declined to 23,620 hundredweight, valued at $379,847, compared with 23,687 hundredweight, valued at $381,421, in 1936, according to the American consulate general at Kingston.

Quercitron.—Demand was spotty throughout the week under review. The call was confined to moderate quantities for nearby requirements only. Prices ruled unchanged.

Sizing Materials

Albumen, Egg.—The market continued dull throughout the past week. Quotations were lower for the domestic edible crystals and the powdered material, reductions amounting to two and three cents, respectively. The highly competitive situation was responsible for the lower prices, with more than fifteen producers now reported in production. Price of shell eggs has been fairly well stabilized.

Dextrin.—Sellers report a fair-sized business on the books for delivery. Prices were unchanged. Visible supplies of corn for week ended April 23 totaled 40,008,000 bushels, against 42,558,000 in the previous week and only 6,816,000 bushels in the same week a year ago.

Egg Yolk.—Prices were 2c. per pound lower last week. Sellers report the keen competitive situation brought about the reduction. Demand continued quiet.

Tanning Materials

Mangrove Bark.—The market continued along quiet lines again last week. Consumers were content to mark time before making sizable commitments. Prices continue unchanged.

Myrobalans.—There was no disposition on the part of sellers to alter prices one way or the other last week. Business was moderate.

Sumac.—Prices remain the same as the previous period. Only a fair interest was displayed in the market throughout the past week.

Valonia.—The call remained highly irregular last week. Prices were in conformity with the previous period.

Current prices on dyestuffs and tanstuffs are given in the alphabetical list of prices beginning on page 7

DRY COLORS—DYESTUFFS
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***82-84 per cent and 90-92 per cent Technical*—grades which contain limited amounts of Ortho, Meta and Para Cresols.**

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***U. S. P.* Barrett Cresol U.S.P. not only meets U. S. Pharmacopœia specifications but contains less than 9 per cent Phenol.**

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***Meta Cresol.* 70 per cent and 80 per cent, for chemical and synthetic resin manufacturers.**

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Special Cresol Fractions, to meet users' specifications.

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Straw color and dark grades of various distillation ranges, depending on requirements. Special grades for synthetic resin manufacturers.

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Barrett CHEMICALS

Coaltar Chemicals

Benzol Continues Short—March Production Slightly Higher —Refined Naphthalene Steady—Cresylic Acid Quiet —Intermediates Continue Dull

Demand for coaltar chemicals continued quiet last week. There was little disposition on the part of consumers to order out supplies beyond immediate requirements. Sellers were adhering to price schedules in force previously.

Benzol continued the firm spot in the market. The firmness reflected the low production levels. Figures for March indicate production at 5,998,000 gallons, compared with 5,575,000 gallons in February and 10,737,000 gallons in the same month a year ago. Refined naphthalene was moving fairly steady; crude naphthalene lagged again last week, with price for imported material reported easier in some quarters. Cresylic acid was little improved, and the market a routine affair. Toluol and xylol were firm, but demand continued to reflect quiet conditions in the lacquer trade. Phenol was highly irregular. Cresote oil and cresol were dull. Intermediates, acids and colors were quiet.

Price Changes

Prices were changed during the past week as follows:—

Advanced

None.

Reduced

None.

Comparative Values

Index numbers compiled from twenty typical coaltar products on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
127.-	127.1	127.3	126.7

Market news that may have developed after this report was sent to press will be found on page 4.

The total production during March from byproduct and beehive ovens amounted to 2,772,371 tons, a decrease of 3.8 percent from February and a loss of 43.1 percent when compared with the average of 158.127 tons obtained in March, 1937. Accumulated output for the first quarter of 1938 was 8,250,131 tons, a decline of 5,512,445 tons, or 40.1 percent in comparison with the 1937 first quarter production of 13,762,576 tons.

Output of byproduct coke for March amounted to 2,675,071 tons. In comparison with the February 28-day rate of 89,057 tons, there was a decrease of 3.1 percent. The daily output of pig iron production during the same period advanced 1.1 percent. Stocks of coke at byproduct plants at the end of March totaled 2,777,070 tons, or 12.2 percent in excess of February reserves.

Coking coal charged in byproduct ovens during March totaled 3,795,004 tons, compared with 3,539,178 tons in February and 6,452,517 in March, 1937. For the first quarter it aggregated 11,256,785 tons, compared with 18,452,810 tons in the corresponding period a year ago.

Ammonia sulphate production, or its equivalent, during March was 72,299,000 pounds, against 66,500,000 pounds in February and 143,184,000 pounds, in March, 1937. Production for first quarter totaled 213,663,000 pounds, compared with 410,302,000 pounds in the same period last year, according to the Bureau of Mines.

Light oil output during March aggregated 11,043,461 gallons, against 10,299,007 gallons in Frebruary, 1938, and 18,712,299 gallons in March, 1937. March tar production amounted to 33,623,735 gallons, compared with 31,356,117 gallons in the preceding month and 59,492,206 gallons in the same month a year ago.

Basic Products

Benzol.—The market for benzol continued short. Chemical processors and other principal consumers were experiencing difficulty in securing sufficient quantities to fill nearby requirements. For seven consecutive months coke production has shown a decline. However, the production of benzol during March showed a slight increase from the preceding month, despite the lower coke production. Figures for March indicate production at 5,998,000 gallons, compared with 5,575,000 gallons in the preceding month and 10,737,000 gallons in the corresponding month a year ago. For the first quarter this year production totaled 17,728,000 gallons, against 30,628,000 gallons in the first quarter last year.

Cresol.—Demand continued to be governed by lower production levels in principal consuming channels. The call for disinfectant purposes was fairly steady. Prices were maintained at previous levels.

Creosote Oil.—The major railroads and utilities were not commiting themselves beyond nearby requirements, while other consumers were making moderate withdrawals only. Prices were without alteration.

Cresylic Acid.—Business continued along routine lines again last week, with various consumers inclined toward a conservative buying policy. Prices were without change. Imported cresylic acid continued easy.

Naphthalene.—A good seasonal demand was evident throughout the past week for the refined material. Crude naphthalene remained dull; prices were retained at previous levels. The imported material continued to appear on the market in sufficient volume to cause an easy tone.

Phenol.—The synthetic resin industry continued to place orders on a conservative basis. The call from other consuming channels was for moderate quantities. Prices continued the same as the previous week.

Solvent Naphtha.—Demand continued spotty throughout the week just closed. Prices were steady to firm.

Toluol.—The demand from the lacquer trade continued about the same, with consumers content to make withdrawals commensurate with operating schedules. Prices continued firm.

Xylol.—A firm tone was experienced in this direction throughout the past week. Only moderate interest was displayed in the market at times.

Chicago Coaltar Bases

Conditions governing the coaltar bases have shown little change. The supply of material is restricted because of the basic depression existing in the steel industry, although it is true that in the last few days there has been some pick-up in the rate of steel operations in Chicago. Benzol is quiet, in fairly good demand, as is true of most of the other materials. Ruling prices exclusive of tax are:—Benzol, 90 percent, 16c. to 17c. per gallon; motor benzol, 10½c. to 11c.; toluol, 30c.; 10-degree eylol, 33c.; solvent naphtha, 30c. creosote oil, grade 1, 13½c. to 14c.

Coaltar Acids

Anthranilic.—Business was reported narrow, with the disposition on the part of principal consumers to come in the market for small quantities.

Benzoic.—The technical material was moving out to consuming channels at a modest pace for nearby requirements only. Prices were steady to firm.

Cleve's.—Consumers were not inclined to commit themselves beyond immediate needs. Prices ruled unchanged.

Malic.—A fair buying movement was uncovered, with usual consumers supplying the call for moderate shipments. Prices were well sustained at previous levels.

Other Intermediates

Alphannaphthol.—Sellers continue to adhere to price schedules previously in force. Buying was along quiet lines.

Aniline.—Commitments continue highly irregular, with the disposition inclined toward the conservative side. Prices were in conformity with the preceding period.

Anthraquinone.—The call continued to reflect general business conditions. Sellers, however, reported that business was considered fair in comparison with the earlier weeks of the year. Prices ruled the same.

Metanaphthol.—Shipments were described as moderate again last week. The hand-to-mouth buying policy prevalent for some weeks still remains in force. Price situation continued unaltered.

Current prices on coaltar products are given in the alphabetical list of prices beginning on page 7

Dimethylaniline.—A steady to firm tone governed the dealings, although sellers report the call was made up of small quantities for the most part.

Nitrotoluene.—The market continued a routine affair throughout the past week. Prices were in conformity with the preceding period.

Phthalic Anhydride.—Only moderate interest was focused in this direction during the past week. Sellers reported that quotations were unchanged from the previous period.

Coaltar Colors

The market continued quiet last week. Despite the dullness of the call, sellers reported that prices were well maintained throughout the list. Conditions in the textile industry largely were accountable for the narrow inquiry, although some quarters reported a fairly steady demand for moderate quantities of colors. Total imports of coaltar dyestuffs into the United Kingdom during the year 1937 amounted to 13,651 hundredweights, compared with 12,905 hundredweights in the previous 12 months period. Following a recession, which began about mid-1937, British piecegoods dyeing activity receded to a low level in the last three months of 1937, when output gradually receded below normal for the time of the year. During the first half of 1937, a greater volume of goods was available for processing, but in the second half of the year a contraction occurred which, combined with rising costs, resulted in the earlier improvement being completely canceled. The industry has been faced with increased costs of dyestuffs, and all other materials used, as well as higher wages for operatives, according to the American consulate at Bradford.

Burke Koppers Vice-President

K. R. Burke, general superintendent of the tar and chemical division of the Koppers Company, Pittsburgh, has been elected a vice-president. Mr. Burke, general superintendent since 1928, formerly was associated with the American Tar Products Company, joining the Koppers organization when the American Tar firm was acquired in 1925.

Du Pont Offers New Colors

A new dyestuff, primarily of interest for printing delustered rayon, has been developed by E. I. du Pont de Nemours & Co. Known as "Sulfanthrene" scarlet 2BN paste, it is a vat color, somewhat bluer than the scarlet GN paste. Two new dyestuffs for use in coloring printing inks are:—"Lithosol" yellow G concentrated, which is similar in shade to "Lithosol" fast yellow HN powder, but is darker in masstone. It is non-bleeding in water, shows only a slight bleeding in oil and alcohol, and has demonstrated satisfactory light fastness.

"Monastral" fast blue GS, a new pigment color, is close in shade to peacock blue, and is greener than "Monastral" fast blue BSN. This color shows a fastness to light, acids, alkalies, and lime, and does not bleed in oil, water, or alcohol.

A new textile assistant to be known as "Ondal" A, designed to serve both as a detergent and oxidizing agent in the developing of vat colors, is also offered. The product is quite stable, releasing its oxygen at a uniform rate.

Textile Color Card Ass'n Re-Elects Pinnell President

Charles Pinnell, general sales manager for the Merrimack Manufacturing Company, was re-elected president and a director of the Textile Color Card Association at its annual meeting April 29. Other officers re-elected were:—First vice-presidents, Roy E. Tilles, president of the Gotham Silk Hosiery Company; second vice-president, Armand Schwab, president of Armand Schwab & Co.; treasurer, Carl E. Kempf, president of the Brewster Hat Company; secretary and managing director, Margaret Hayden Rorke. W. R. MacIntyre and Brainerd Pidgeon were elected to the directorate.

Helgren Heads Ellicott Drug

Glen Helgren, head of the Helgren Drug Company, Jamestown, N. Y., has been elected president of the Ellicott Drug Company, Buffalo, N. Y. Mr. Helgren served as vice-president last year. The Ellicott organization is cooperative owned by 500 Western New York retail drug stores.

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J&L BENZOL is made to your EXACT SPECIFICATIONS

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Get benzol accurately fitted to the products you manufacture . . . specify J&L Light Oil Distillates. We will welcome the opportunity of furnishing a sample made to your specifications.

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Pure Benzol — 90% Benzol — Pure Toluol — *CXP Benzol — Xylols (Solvent Naphthas) — **Reagent Benzol

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Sulphate of Ammonia

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*CXP Benzol is a super-refined grade with the following critical properties:
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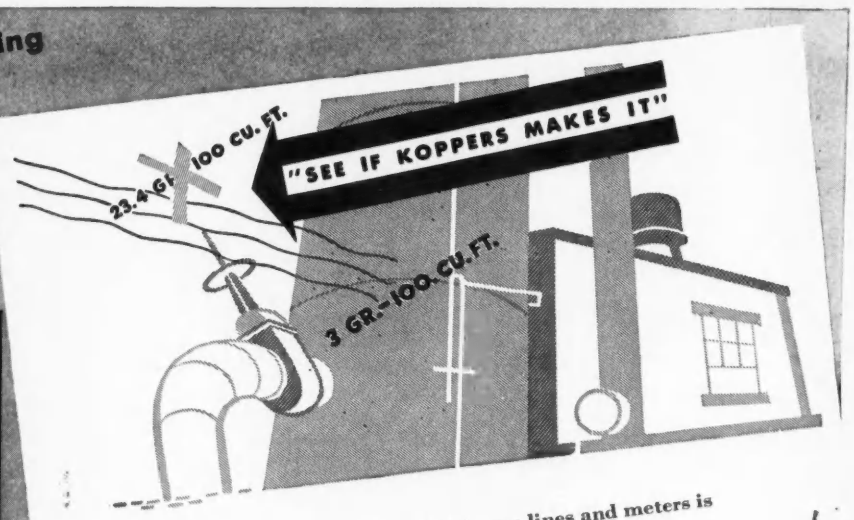

One of the sources of trouble in gas lines and meters is naphthalene in the gas. The Western Gas Division of Koppers Company developed a simple but efficient system of naphthalene removal. In one system handling 25,000,000 cubic feet of manufactured gas a day, this system reduced the naphthalene content from 23.4 grains per 100 cubic feet to less than 3 grains. The operating costs are very low—almost negligible.

Koppers may be able to solve some problem in your business.

KOPPERS COMPANY, Pittsburgh, Pa.

Turpentine Ass'n Re-Elects Officers

Opposition to the wage and hour bill was adopted, in resolution form, at the second annual meeting of the American Turpentine Farmers Association Co-operative, held in Valdosta, Ga., April 20. Other action included an amendment to the by-laws, a report on research work, the re-election of officers, and the consideration of a national advertising campaign.

The resolution opposing the wage and hour bill, in part, read:—

The passage of this bill as recommended by the house committee would sign the death warrant of the turpentine farmer of the Southern States. We must sell in foreign markets one-half of our products against competition of low pay and long hours. Today we are selling our products at the lowest price in eighty years, and are obliged to compete with manufacturers producing synthetic spirits of turpentine and rosin from pine stumps.

Harley Langdale, in his report as president of the association, said that the membership now totals 837. He mentioned that the association has sought to have the United Kingdom import duty of 16 cents a gallon eliminated or appreciably lowered. In outlining the government's loan policy, Mr. Langdale said, that more turpentine was consumed last year than was produced, and that it is the recession in business that is affecting the industry and not overproduction. Next Spring, he concluded, if consuming channels are not absorbing sufficient quantities of the pledged stock, we can get a loan from the government.

In reporting on research activities, he said that the research work done by the G & A Laboratories, Savannah, for the association, was making progress. He added that the laboratory will soon be in a position to apply for patents on combinations which will increase the use of turpentine.

Joseph Yenesco, of the Department of Agriculture, in reporting on the 1938 timber conservation program, said that 2,000 work sheets have been filed, representing 9,625 working crops. Out of these crops, he said, 8,440 crops will receive one cent payments, 616 crops of small trees and second face trees were removed, and out of this number 557 crops will receive five cent payments.

The meeting voted to expend a minimum of $100,000 yearly on institutional advertising. However, the board of directors of the association decided that at least $200,000 would be required for a successful campaign. Final action on the question was deferred.

Officers re-elected were:—

President, Harley Langdale; vice- president, R. M. Newton; secretary, W. E. Spiers. Directors:—North and South Carolina, W. L. Rhodes, Estil, S. C.; Georgia, Harley Langdale, Valdosta; J. E. Dyal, Baxley; J. B. Davis, Albany; R. M. Reynolds, Bainbridge; Florida and Alabama, J. T. Miller, Palatka, Fla.; W. H. Leonard, Blountstown, Fla.; Troy C. Brannan, Brewston, Ala.; Mississippi, Louisiana, Texas:—R. M. Newton, Wiggins, Miss. The executive committee:—Harley Langdale, J. E. Dyal and J. T. Miller.

Section B, Article 2 of the by-laws was amended to read:—

To buy and sell the products of its members, and to create agencies therefor; to create agencies for warehousing the products of its members, and for financing the production of such products, and to finance such agencies, to generally assist its members in orderly marketing of the products of its members.

Baltimore Paint Salesmen's Club held a meeting in the Continental hotel, Washington, D. C., April 15. A feature of the meeting was the film showing of "Brush Manufacturing," sponsored by Hanlon & Goodman, New York.

NEW

New Jersey zinc

ZINC SULFIDE

CRYPTONE ZS-30

BETTER

- COLOR
- BRIGHTNESS
- TINTING STRENGTH
- HIDING POWER
- DARK VEHICLE COLOR
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THE NEW JERSEY ZINC COMPANY

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Please send a____lb. sample of your new ZINC SULFIDE, Cryptone ZS-30 to:

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Address_____

Trade Briefs

Continental Turpentine & Rosin Company processing plant in Laurel, Miss., has been destroyed by fire of undetermined origin.

George M. Bralla, secretary and treasurer of the Valspar Corporation, this city, has been elected a member of the directorate.

B. D. Paine, Inc., is planning the construction of a rock-wool manufacturing plant in Oklahoma city, Okla., at the cost of $100,000.

Lawrence Kiefer, of the National, Paint, Varnish and Lacquer Association, addressed the Baltimore Paint and Decorating Contractors of America, April 21.

Cincinnati Paint Golf Club opened its 1938 season at the Hyde Park Country Club April 19. Malcolm Long, Imperial Color Works, Inc., with a low net of 79, was the winner.

Frank E. Nabers, jr., has assumed the position of sales manager of the soybean protein division of the Glidden Company, paint manufacturer, Cleveland. Mr. Nabers, who resigned as vice-president and sales manager for Swann & Co., Birmingham, will have offices in Chicago.

James T. Hanley, for the past fourteen years vice-president and general manager of the American Wire Fence Company, has become associated with the A. C. Horn Company, paint manufacturer, Long Island City. Mr. Hanley will maintain headquarters in the Horn building, 650 West Randolph street, Chicago.

Casper Smith, of Smith Chemical & Color Company, pigments and fillers, Brooklyn, is in the Hospital for Joint Diseases, Manhattan, recovering from injuries received in an automobile accident. Mr. Smith suffered fractures of both knees when his car collided with another while en route from his office to his home.

E. M. & F. Waldo, Inc., paint materials, Muirkirk, Md., has applied for permission to reorganize under section 77B of the bankruptcy act. The corporation has been ordered to file its reorganization plan on or before May 1 and a hearing to consider the plan will be held before June 1. The corporation has been given permission to continue operations.

Robert Wishnick Heads Paint Charity Drive

Robert I. Wishnick, of Wishnick-Tumpeer, Inc., has accepted the chairmanship of the combined drive in the chemical, paint and oil division for the American Jewish Joint Distribution Committee and the United Palestine Appeal at an organization meeting in the Chemists' Club, this city. A quota of $30,000 has been set.

Associated with Mr. Wishnick are: David A. Ansbacher; Abraham Chaleff, of Chal-Bro, Inc.; Ralph Hart, of the Hart Products Corporation; Harry R. Hillman, of the Eagle Paint & Varnish Works; Aaron C. Horn and Abraham E. Horn, of the A. C. Horn Company; Albert M. Kahn, of the Consolidated Products Company; David H. Litter, of the D. H. Litter Company; Michael J. Merkin, of the Michael Merkin Paint Company; Max Pick, of L. Sonneborn Sons, Inc.; Louis A. Rosett; Dudley D. Sherman, of the National Chemical & Manufacturing Company; Israel Silberman, of the Paragon Paint Company; Dr. Ferdinand Sonneborn, Rudolf G. Sonneborn and Max Pick, of L. Sonneborn Sons, Inc.; Dr. Maximilian Toch, of Toch Brothers, Inc.; and Herman Yablick.

Calling attention to the desperate situation in which millions of Jews in Eastern and Central Europe find themselves, Mr. Wishnick said it was urgent that immediate assistance be forthcoming from the United States.

Devoe & Raynolds Stockholders Approve Jones-Dabney Purchase

Stockholders of Devoe & Raynolds Company, paint manufacturer, this city, voted, April 29, approval of the plan to absorb the Jones-Dabney Company, manufacturer of industrial finishes, operating an owned plant in Louisville and a leased plant in Detroit. To effect the acquisition the Devoe & Raynolds organization will issue 28,000 shares of its A stock for 14,900 shares of the Jones-Dabney capital stock.

Paint, Varnish, Lacquer Materials

Spring Sales Disappoint—Sellers Seek to Lower Inventories —Antimony Whites Lower—Rosin and Turpentine Steady—Shellac Dull

Sellers of paint, varnish and lacquer chemicals have about given up hopes for much of a bulge in consumption this Spring. April deliveries gained moderately over the small tonnage of the first three months of the year but the unusually dry and favorable painting weather through the season to date has not been reflected in the sales. Materials' suppliers were now disposed toward cutting down their inventories as they cannot foresee much of an improvement in building operations until the late Summer.

Among last week's price developments were reductions in antimony white pigment, ethyl cellulose and declines in some gradings of Batavia and Singapore gums.

Southern and local markets for naval stores were quiet last week. The prevailing tone was steady or firm, however, and variations in prices were generally within narrow limits. Receipts were up to expectations but daily offerings in primary centers were comparatively light or moderate. Reports from the South stated that the government funds available under the loan program were moving to producers.

The shellac market was stirred considerably when it was learned that the City of Salisbury, carrying 3,375 bags of shellac, went on the rocks in Boston harbor and split in two. Hatch one with 735 packages went to the bottom; and hatch five, with 2,640 packages, remained on the rocks. To a late hour in the week, but fifty-four packages had been recovered. Most of the shellac was destined for New York. The market was still very dull and adverse reports from furniture centers have given rise to pessimism regarding the probable future of trade.

Price Changes

Prices were changed during the past week as follows:—

Advanced

None

Reduced

Antimony, white pigment, 1c. per lb.
Casein, ½c. per lb.
Ethyl cellulose, ¾c. per lb.
Gum dammar, Batavia, A, ¾c. per lb.
B, C, ¾c. per lb.
D, ¾c. per lb.
Singapore, No. 2, ⅝c. per lb.
No. 3, ¼c. per lb.
Rosin, gum, 5c. to 15c. per 280 lbs.
Turpentine, gum, ¼c. per lb.
Zinc, slab, $2 per ton.

Comparative Values

Index numbers compiled from eleven typical paint and varnish materials on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
130.4	**130.4**	**130.4**	**132.6**

Market news that may have developed after this report was sent to press will be found on page 4.

Metallic Lead and Zinc

Pig lead prices held unchanged last week with quotations at 4.50c. to 4.55c. per pound in New York and 4.35c. per pound at East St. Louis. There was not much business booked during the week but the market is in strong hands and has been free from the fluctuations that have taken place in the zinc market over the past several weeks.

Zinc prices were reduced $2 per ton on Thursday by one producer and other factors followed to bring the price down to 4.15c. per pound at East St. Louis and nominally 4.55c. per pound in New York. The forepart of the week was a very dull trading period as the trade's interest was centered on the annual meeting of the American Zinc Institute in St. Louis. The reduction in price was a surprising one as the market had advanced ¼c. only about ten days prior to last week's decline.

Lead.—Prevailing spot prices at New York, East St. Louis and London for the period from April 23 to April 29, inclusive, were as follows:—

	Pigs		
	Per pound		Spot. London. Per ton
	New York.	E. St. Louis.	£ s. d.
Saturday	$0.0450@.0455	$0.0435	.. .. ..
Monday	.0450@.0455	.0435	15 1 3
Tuesday	.0450@.0455	.0435	15 2 6
Wednesday	.0450@.0455	.0435	15 3 9
Thursday	.0450@.0455	.0435	15 2 6
Friday	.0450@.0455	.0435	14 18 9

Zinc.—Prevailing spot prices at New York, East St. Louis and London for the period from April 23 to April 29, inclusive, were as follows:—

	Slabs		
	Per pound		Spot. London. Per ton
	New York.	E. St. Louis.	£ s. d.
Saturday	$0.0465	$0.0425	.. .. ..
Monday	.0465	.0425	13 13 9
Tuesday	.0465	.0425	13 10 0
Wednesday	.0465	.0425	13 11 3
Thursday	.0455	.0415	13 11 3
Friday	.0455	.0415	13 8 9

Pigments

Trade in metallic pigments was mixed last week. Some sellers reported a fairly nice business for the week while others were not able to move more than small quantities against contracts. Lead corroders seemed to have fared out somewhat better than the makers of other pigments, albeit the titanium whites were also reported as having been moderately active. The lone price change reported in the group was a reduction in the price of antimony white pigment. Zinc metal went down but did not affect the position of the oxides.

White Lead.—Dry lead business with the paint manufacturing industry was no better than fair last week but lead-in-oil deliveries were nicely sized. Buyers of dry lead were ordering close to their actual and immediate needs. Prices continued unchanged at the levels established some weeks ago.

Red Lead.—The metal market has held a steady price level since the middle of February and the barrel prices for this oxide in carload and l.c.l. quantities have not been changed since. The demand side of the market has been erratic but the sales movement has improved during recent weeks but the aggregate moved into consumption was off from the 1937 total.

Litharge.—The position of this commodity was companionate with red lead and other oxides. Prices have not been changed for some weeks having held an unusual degree of steadiness. Demands were fair last week but considerably less than what might be termed normal.

Lithopone.—There was a good deal of spottiness in the local market. Delivery orders against contracts were very irregular last week and some sellers said they aggregated less than a week ago. The Western plants were shipping out material in moderately active fashion. Prices continued at the schedule.

Titanium Pigments.—There was a moderately good rate of activity in the market last week. While the demands lacked the snap of a year ago, the movement of these pigments in recent weeks has increased over the slowness of the first three months of the year. Prices for all pigments in this group held firmly and at the schedule.

Zinc Oxides.—The market failed to shake off the spottiness of a week ago. None of the several lines of consuming outlet has been buying with regularity and the orders were mostly for small-sized lots to cover prompt needs of the buyers. The price situation was not disturbed by the drop in metallic zinc last week.

Antimony White Pigment.—Prices for this material were reduced a full cent per pound last week, marking the first change in the market for some time. The prices for the three grades now ranged from 11½c. to 14½c. per pound f.o.b. Texas producing point with freight allowed up to ½c. per pound.

Fillers and Extenders

Inert pigments, fillers and extender products were also irregular. Reports from local jobbing interests and some

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7

LAMP CARBON BONE **BLACKS** LAKE VINE OXIDE
C. J. OSBORN CO., 132 Nassau Street, NEW YORK
Established 1889

Georgia White Clay—Fuller's Earth
Carload shipments direct from producers
TAINTOR TRADING COMPANY, Inc.
24 State Street : : : New York

Headquarters for **ROSIN OIL**
WRITE FOR OUR "PINE TREE PRODUCTS" BOOKLET
NATIONAL ROSIN OIL AND SIZE COMPANY
R. K. O. Building, Rockefeller Center, New York, N. Y.
Offices: 3001 West 47th Street, Chicago, Ill. Factory: Savannah, Ga.

PURE **SILICA**
Hard Crystalline
No. 68—140 Mesh
" 10—200 "
" 110—300 "
Soft Amorphous
Velvateen—300 Mesh
Silver Bond—325 Mesh
OO Smoke—600 Mesh
FOR ALL PURPOSES
Water Ground---Water Floated
Mills: Tamms, Ill. Write TAMMS SILICA CO. Builders Bldg., Chicago, Ill.

STANLEY DOGGETT, Inc.
ESTABLISHED 1878
MANUFACTURERS and IMPORTERS
DRY COLORS OF MERIT—QUALITY PIGMENTS
75 VARICK STREET, NEW YORK

THE BRADLEY STENCIL MACHINE

MACHINES TO CUT ½ in., ¾ in., 1¼ in., 1½ in. LETTERS
CUTS PAPER SHIPPING STENCILS
A. J. Bradley Mfg. Co.
101 Beekman Street New York

MINERS REFINERS IMPORTERS
CLAYS INDUSTRIAL
CHINA CLAY
Domestic and Imported available in finely powdered form—any quantity—packed in paper bags.
Laboratory Testing Samples Gladly Sent
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MINERAL OIL RESIDUES
NAPHTHENIC SOAP
FLAG BRAND WHITE OILS
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Specifications Upon Request
S. SCHWABACHER & CO., INC.
25 Beaver Street *Importers* New York

"SUCO"
Ultramarine Blues
Alkali Blue Toners
Methyl Violet Toners
Blanc Fixe
STANDARD ULTRAMARINE COMPANY
HUNTINGTON, W. VA.

Shawnee
DRY COLORS
"Color Content Guaranteed"
Chrome Greens
Chrome Yellows
Toluidine Reds
Para Reds Iron Blues
Lake Colors
Ultramarine Blue
KENTUCKY COLOR & CHEMICAL CO.
Incorporated
General Office and Works
LOUISVILLE, KENTUCKY
Offices and Agents in Principal Cities
Distillers of Coal Tar Products

of the out-of-town producers varied. Some were favored with a fair rate of demand but others could not point to anything beyond a slow and dragging market. There was no price movements reported during the period under review.

Barytes.—The domestic market has been held in an unchanged position. The demands of the market have been mild.

Silica.—Conditions surrounding the market have not been changed since last reported. Prices for both the hard-quartz and amorphouse grades have been held in a steady position.

Whiting.—Jobbers in the local area were unable to report much in the way of new developments. Takings by the regular purchasers continued light. Prices have held unchanged.

Dry Colors

Chemical colors continued in a very quiet position. There has been very little evidence of the usual sales bulge this Spring and some of the manufacturers who are not very sanguine about an upturn in business until the late Summer or Fall were now endeavoring to cut down their inventories. Earth color manufacturers were able to point to a slight improvement in trade. Prices were unchanged last week.

Carbon Black.—Rubber blacks were ordered in light fashion. The Akron tire makers continued to buy sparingly and only for their immediate needs. Prices continued at the levels that have been in force for the past several weeks. Specialty blacks for the ink and paint trades were also light movers. March shipments of pneumatic casings were 2,877,660 units against 2,348,949 in February and 5,787,051 in March last year while March production was 2,759,135 units against 2,211,689 in February and 5,915,575 units in March last year.

Chrome Green Oxide.—The market has been holding steadily at the 22c. per pound basis for pure material. Trading has not been more than slightly active during recent weeks.

Iron Blues.—The contract withdrawals continued rather slow. Open order business is confined to small-sized lots. Pricewise, the market appeared very steady.

Sienna.—The market price has not been changed for some months. As in the case of several other earth colors, the demands have been very spotty during recent weeks.

Varnish Gums

Price movements in the natural resin group continued in a downward direction last week. There were four gradings of Batavia dammar marked down last week and two gradings of Singapore dammar. The Congo gums were not reduced further than the low levels established a week ago. Spot and replacement market purchasing continued at a low point.

Copals.—The widespread reductions in the Congo gums and those made in the Manilas and Philippine Manilas a week ago were not extended last week. The reduced prices on offerings from the replacement market did not stir up any particular buying and the demand side of the market continued in the doldrums.

Dammars.—Prices were lowered on some of the Batavia and Singapore gradings last week. In the Batavia group, A was lowered ⅞c. per pound to 22⅜c. per pound; B was lowered ¾c. to the basis of 21c. per pound; C was lowered ¾c. per pound to 18⅛c. per pound; and D was cut ⅜c. per pound to 15⅝c. per pound. The No. 2 Singapore was reduced ⅝c. to a flat 13c. per pound while the No. 3 grading was lowered ¼c. per pound to the level of 5½c. per pound. These quotations were for car lot lots—straight or mixed—and were subject to the usual differentials for smaller quantities.

Synthetic Resins

While the ester gum market was still in a competitive position, the prices have been held without change for the past few weeks. Car lot buyers and takers of smaller quantities have not been in the market very regularly of late and the consumption of gum at this time, which is usually a time for good tonnage movements, was not very heavy. Phenolics and alkyd resins did not show any change.

Naval Stores

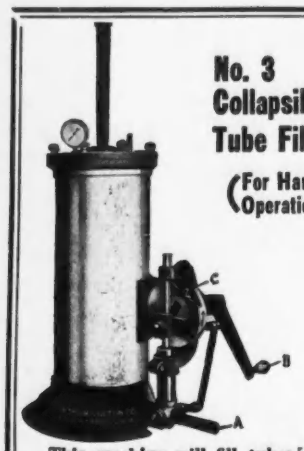
Business in Southern markets for naval stores was suspended on Tuesday in observance of Confederate Memorial Day. On other days of the week business in the South was quiet and there was no broadening of trade here. In some local quarters there was a fair inquiry for rosin and turpentine but purchases were generally confined to comparatively small quantities to meet the current needs of consumers and dealers.

Despite the absence of any improvement in demand, however, there was a disposition in some local quarters to take a more favorable view of the outlook. This better feeling was apparently traceable to reports from the South that the funds made available under the government loan program are now moving to producers and that with the plan operating smoothly withdrawals from the markets are likely to show an increase in the near future with a steadying or strengthening effect upon the general situation.

Rosin and turpentine price movements were generally within comparatively small limits last week, the prevailing tone being steady or firm. Sales as officially reported in Southern markets were generally light and transactions on private terms were also said to have been small, this applying to both domestic and foreign purchases. Receipts were about in line with expectations for this time of the year but daily offerings were light or moderate.

At the annual meeting of the American Turpentine Farmers Association the retiring officers were re-elected for the

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7



No. 3 Collapsible Tube Filler (For Hand Operation)

This machine will fill tubes up to 1 in. x 5½ in. with any material ordinarily put in collapsible tubes. One turn of the handle puts the correct quantity in each tube. Larger tubes can be filled by adjusting the screw "C" for half the quantity desired and making two turns of the handle.

The nozzle "A" is made to suit tubes of different diameter and length. Special nozzles can be furnished for filling cans, jars or bottles.

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No. 1000
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Powerful and Economical

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GOOD PAINTERS' CAPS are an asset to your business
By supplying your trade with good caps you emphasize your service with added good will.
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Orders accepted for prompt or deferred shipment.
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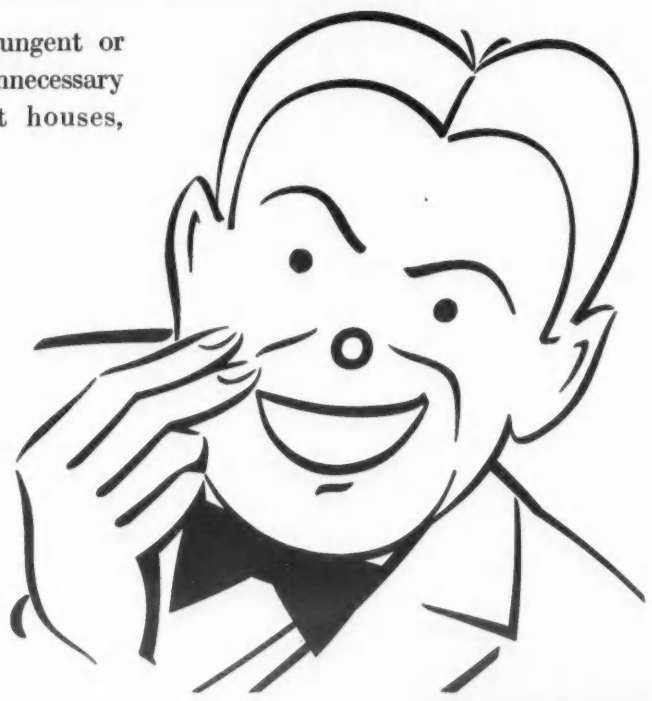
Manufacturers Painters' Caps and other cloth specialties

Do Your Paints Have AN "OLD FASHIONED" ODOR?

Most people know that strong, pungent or "musty" odors in paints are unnecessary today. Managers of apartment houses, hotels, hospitals, theatres, department stores and other public buildings are *demanding* that their painting contractors use better smelling paints.



Givaudan has developed a wide variety of paint deodorants — *not paint perfumes*– to give your paints, varnishes, lacquers and enamels complete freedom from objectionable residual odors. Our chemists are pioneers in the field, and will gladly cooperate with your staff to help you get the finest results obtainable. Give your line the "odor-free" appeal. The cost is amazingly small compared with the good will and prestige this appeal creates. Write *now* for samples and further information.

In the column at the right is just one of the many Givaudan products that illustrates how Givaudan serves the needs of industry for aromatics and allied materials.

CHOLESTEROL

Now available commercially in two grades:

CHOLESTEROL C. P.

CHOLESTEROL 95%

Creams made with Cholesterol are free from the objectionable odor associated with the use of certain other raw materials; are more neutral, stable and emollient. It gives them greater ease of application, a smoother feel—and leaves a thin film of remarkably protective action.

It is slightly soluble in ethyl and isopropyl alcohols. More soluble in stearic acid, cocoa butter, beeswax, ceresin, spermaceti. Soluble in fatty oils, mineral oils and petrolatums.

You can use Cholesterol advantageously in any type of cosmetics where it is dissolved in the oil base. As it favors water-in-oil emulsions it is excellent in lubricating and tissue creams in proportions of 1 or 2%. In hair lotions it can be use in proportions of .2 to .5%.

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Further information on this and other Givaudan specialties in the field of industrial aromatics is available on request. We will be glad to assist you on all problems relating to aromatics, odors and odor covers.

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DELAWANNA, INC.
Industrial Aromatics Division
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ensuing year. The attendance at the meeting was large. It was announced that efforts are being made to expand the outlet of turpentine abroad through a reduction in British import duties and that an advertising campaign in our own country is contemplated in the near future with a view of causing an expansion in consumption in domestic fields.

According to consular advices from Bordeaux, the French naval stores market was not active in March. The domestic demand for turpentine continued light and sales were reported to have been the lowest in many months. Rosin sales were also small, showing no improvement over the previous month. Soap manufacturers manifested little interest in purchasing, owing to low prices quoted for animal and vegetable fats. Rosin demand came mainly from the paper industry, although sales were below normal. Stocks on hand at the end of March were considered large for turpentine and those of rosin were reported slightly above normal for the period of the season. The unusually mild weather with considerable sunshine which prevailed throughout the month, advanced the flow of crude gum from two to three weeks and present indications are that the first dip will be large. February exports totaled 480 metric tons of turpentine valued at 1,450,000 francs, whereas rosin exports amounted to 3,418 metric tons valued at 6,743,000 francs.

The total output of naval stores in the Durango area of Mexico during March, according to consular advices, was estimated at about 16,000 gallons of turpentine and 150 metric tons of G, H, and I grades of rosin. Sales for the month totaled 16,000 gallons of turpentine shipped to the United States and 60 metric tons of G, H, and I grades of rosin sold for domestic consumption. Stocks on hand at the end of March were estimated at 19,500 gallons of turpentine and 170 metric tons of G, H, and I grades of rosin. It was reported that for the past two years European countries were the best market for rosin, but sales of the commodity have recently been restricted, owing to unstable rates of exchange.

Turpentine.—Price movements in the local market were narrow in the absence of wide changes in primary centers where the prevailing tone was steady or firm. Marketing in the South has expanded recently as usual at this season but daily offerings in primary centers were rather light. Business here was limited to unimportant quantities, consumers and dealers being disinclined in many cases to purchase in advance of immediate needs.

SAVANNAH, Apr. 29.—The turpentine market retained a steady tone. Following is a record of the market for the week:—

	Cents per gal.	Barrels Sales.	Re-ceipts.	Ship-ments.	Stocks.
Saturday....	23½	57	395	36	31,053
Monday.....	23¾	69	309	25	31,357
*Tuesday....	..	...	...	...	.....
Wednesday..	23½	56	224	50	31,511
Thursday ..	23¼	75	546	761	31,296
Friday	23	90	423	62	31,667

* Holiday.

JACKSONVILLE, Apr. 29.—Turpentine was quiet. Offerings were light. Following is a record of the market for the week:—

	Cents per gal.	Barrels Sales.	Re-ceipts.	Ship-ments.	Stocks.
Saturday....	23½	17	318	...	9,530
Monday.....	23¾	54	272	22	9,780
*Tuesday....	..	...	...	...	.....
Wednesday..	23½	176	614	875	9,519
Thursday ..	23½	27	202	178	9,543
Friday	23½	40	481	128	9,896

* Holiday.

PENSACOLA, Apr. 23.—The turpentine market was quiet and steady. Following is a record of the market for the week:—

	Barrels Re-ceipts.	Ship-ments.	Stocks.
Monday	164	162	23,110
Tuesday	147	285	22,972
Wednesday	107	253	22,826
Thursday	234	161	22,899
Friday	107	283	22,723
Saturday	212	289	22,646

CHICAGO, Apr. 29.—Trade in turpentine has continued mostly in a restricted channel, buyers not caring to extend the scope of their activities much more than has been witnessed recently. Ruling prices at the close of business last night were:—Five-drum lots, 30c. per gallon; five wood barrels, 35c.; single drums, 33c.; single barrels, 38c.

LONDON, Apr. 29.—Quotations on turpentine were as follows:—

	Per cwt. in bbls. s.	d.
Saturday	30	9
Monday	30	9
Tuesday	30	9
Wednesday	31	9
Thursday	31	9
Friday	31	9

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7

ORGANIC AND INORGANIC
PIGMENT
COLORS
IMPERIAL
PAPER AND COLOR CORPORATION
PIGMENT COLOR DIVISION
GLENS FALLS, NEW YORK

Branch Offices and Warehouse Stocks:
PHILADELPHIA—BALTIMORE—CINCINNATI—ST. LOUIS
NEW YORK — DETROIT — DALLAS — SAN FRANCISCO
PITTSBURGH — CHICAGO — LOUISVILLE — TORONTO
BOSTON — LOS ANGELES — SEATTLE — CLEVELAND

THE LARGEST MANUFACTURERS OF CHEMICAL PIGMENT COLORS IN AMERICA

RS*

CAN IT BE EXPRESSED
. . . in Kauri-Butanol value?

WHAT DOES IT MEAN
. . . to synthetic resin varnishes and enamels?

Kauri-Butanol, while of value in testing the solvency of mineral spirits with natural resin varnishes and enamels, is not indicative of mineral spirits solvency with new synthetic finishes.

Therefore, R. S. (resin solvency) has been developed! A new, accurate evaluation of the solvency of mineral spirits for synthetic resin varnishes and enamels.

R. S. proves SUNOCO Spirits a leader in solvent properties among competitive brands of mineral spirits:

*RESIN SOLVENCY

	Synthetic Resin Solvency		Synthetic Resin Solvency
SUNOCO SPIRITS	100	Competitive Brand C	67
Competitive Brand A	90	Competitive Brand D	32
Competitive Brand B	78	Competitive Brand E	34

Write for complete information on SUNOCO Spirits to—

SUN OIL COMPANY • Dept. S-4 • Philadelphia, Pa.

SUNOCO Spirits

Stocks of American turpentine in London were:—

	April 29.	Previous week.	Last year.
Barrels	25,453	27,132	14,599

Rosin.—The local market was quiet, consumers being disinclined to purchase in advance of current needs in the absence of anything very stimulating in the way of market news from primary centers, where changes in quotations from day to day were confined within narrow limits. Sales in Southern markets as officially reported were light and purchases on private terms were also apparently unimportant.

SAVANNAH, Apr. 29.—Changes in rosin quotations were generally moderate. Following is a record of the market for the week:—

	Price per unit—Low of range quoted					
	Sat.	Mon.	*Tues.	Wed.	Thurs.	Fri.
B	$3.50	$3.600	...	$3.50	$3.50	$3.40
D	3.75	3.80	...	3.75	3.75	3.75
E	3.80	3.90	...	3.80	3.85	3.80
F	4.60	4.65	...	4.55	4.50	4.25
G	4.82½	4.95	...	4.85	4.82½	4.65
H	4.82½	4.95	...	4.85	4.82½	4.70
I	4.82½	4.95	...	4.87½	4.85	4.70
K	4.82½	4.95	...	4.87½	4.85	4.72½
M	4.85	5.00	...	4.87½	4.85	4.72½
N	5.25	5.25	...	5.25	5.25	5.15
WG	6.05	6.10	...	6.05	6.05	5.90
WW	6.40	6.40	...	6.40	6.40	6.30
X	6.40	6.40	...	6.40	6.40	6.30
	Barrels					
Sales	235	416	...	754	154	624
Receipts	2,016	1,378	...	3,003	2,460	2,705
Shipments	15	436	...	50	2,642	301
Stocks	79,867	80,809	...	83,312	84,130	86,534

* Holiday.

JACKSONVILLE, Apr. 29.—The rosin market had a firm undertone. Following is a record of the market for the week:—

	Price per unit—Low of range quoted					
	Sat.	Mon.	*Tues.	Wed.	Thurs.	Fri.
B	$3.45	$3.45	...	$3.45	$3.45	$3.45
D	3.75	3.75	...	3.75	3.75	3.75
E	3.80	3.80	...	3.80	3.80	3.80
F	4.60	4.60	...	4.55	4.50	4.40
G	4.80	4.90	...	4.85	4.75	4.65
H	4.80	4.90	...	4.85	4.80	4.70
I	4.80	4.90	...	4.87½	4.80	4.70
K	4.80	4.90	...	4.87½	4.80	4.72½
M	4.80	4.90	...	4.87½	4.80	4.72½
N	5.25	5.25	...	5.25	5.20	5.15
WG	6.05	6.10	...	6.05	6.00	5.90
WW	6.45	6.40	...	6.40	6.40	6.30
X	6.45	6.40	...	6.40	6.40	6.30
	Barrels					
Sales	156	110	...	523	635	679
Receipts	1,052	1,357	...	3,528	1,266	1,616
Shipments	100	512	...	...	4,501	430
Stocks	69,510	70,361	...	73,889	70,654	71,842

* Holiday.

PENSACOLA, Apr. 23.—Rosin was quiet. Following is a record of the market for the week:—

	Barrels					
	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Receipts	544	349	235	734	225	672
Shipments	...	1,006	150	100	...	100
Stocks	16,464	15,207	15,292	15,926	16,151	16,723

CHICAGO, Apr. 29.—Business has continued restricted in the rosin market. Ruling prices at the close of business last night were:—B grade, $6.50 per lot of 280 pounds; G grade, $7.62½; M grade, $7.65; W. W. grade, $9.

LONDON, Apr. 29.—Quotations on American rosin were as follows:—

	Per cwt. in barrels—Common.		W.W.	
	s.	d.	s.	d.
Saturday	14	4½	18	0
Monday	14	4½	18	0
Tuesday	14	4½	18	0
Wednesday	14	4½	18	0
Thursday	14	4½	18	0
Friday	14	4½	18	0

Pine Oil.—The market retained a steady tone. Quiet conditions continued to prevail, the movement into local and other channels apparently being limited to comparatively small or moderate lots.

Pitch.—Quotations were generally stationary and the tone of the market appeared to be steady. There was a fair inquiry though consumers were not disposed to purchase in advance of current needs.

Rosin Oil.—There was little change in the character of business, purchasing generally being limited to comparatively small or moderate quantities to fill the current needs of consumers.

Thus.—The market remained firm as supplies are light and are expected to remain so until late in the season.

Shellac

Sales of shellac continued to be in moderate volume and usually for special and but rarely for general needs. Most consuming industries were under the influence of the recession, and the situation in the furniture trade was especially unfavorable. According to reports last week March sales of furniture were disappointing, dollar volume in the retail stores being off ten to twenty percent compared with a year ago. The drop in large population centers was as much as 30 percent in some cases. From Jamestown, N. Y., a furniture center reports showed buying to be slow, buyer attendance in the semi-annual market being up to that a year ago.

Of substantial interest was the fact that the City of Salisbury, in Boston harbor with 3,375 packages of the shellac abroad went on the rocks after the pilot took over. Hatch one contained 735 packages of shellac and that hatch is in the harbor bottom. Hatch five had 2,640 packages stowed away and that hatch is still on the rocks. The ship broke in two, apparently. To this writing, only fifty-four packages have been recovered.

Calcutta, Apr. 29.—Shellac quotations, on the landed New York basis, ex dock net cash, were as follows:—

	Per pound—April 29.	April 22.
April	10⅛c.	10¼c.

Day-to-day prices were as follows:—

	Per pound.
April 22	10¼c.
April 23	No cables
April 25	10¼c.
April 26	10¼c.
April 27	10¼c.
April 28	10⅛c.
April 29	10⅛c.

London, Apr. 29.—Prices quoted on pure T. N. shellac, basis of sterling exchange at $4.88, were as follows:—

	April 29—Shillings. Cwt.	Cents. lb.	April 22—Shillings. Cwt.	Cents. lb.
May	39¼	8.5	39½	8.6
August	40½	8.8	41¼	10.0

Day-to-day prices were as follows:—

	Per hundredweight—May.	August.
April 22	39s 6d	41s 3d
April 23	No cables	
April 25	39s 6d	41s ..
April 26	39s 3d	40s 6d
April 27	39s 3d	40s 6d
April 28	39s 3d	40s 6d

Lacquer Materials

The call for lacquer materials and solvents continued along routine lines again last week. The demand largely reflects lower operating schedules in most principle consuming industries, particularly the plastics and automotive trades. Price changes were confined to a fractional reduction in ethylcellulose, other quotations continued unaltered. Automotive output last week was scheduled at 60,563 units, a decline of 1,458 units from the previous week and 78,527 units in the corresponding period a year ago. The drop from last week's total was reported as due primarily to the labor tie-ups at Flint.

Acetone. — Shipments continued to move at an irregular pace, the call coming from the chemical processors and other consumers for moderate quantities. Prices were unchanged.

Butyl Alcohol.—A fair inquiry was uncovered last week from various consuming channels. Prices were in conformity with the preceding period.

Dibutyl Phthalate.—A steady to firm tone was experienced in the market throughout the past week, although consumers were ordering out on a hand to mouth basis.

Ethyl Acetate.—Shipments continue to reflect the activity in plastic, textile and other principle consuming industries. Prices were unaltered.

Ethylcellulose.—Prices were reduced ¾c. per pound at 64.40c. for 500 pounds or over; 100 to 499 pounds, 69.30c. per pound, and one to 99 pounds, 74.25c. per pound. Market continued quiet.

Driers

As reported previously, some sellers have been able to obtain some fair-sized business this month by virtue of a few individual orders of consequence but elsewhere the makers of stearate driers could not point to much business. Palmitates were quiet. Resinates and oleate materials were also quiet.

Glues and Binders

Casein.—Some material has been offered out at 6½c. per pound for 20-30 mesh and 7c. per pound for the fine ground in carload lots, delivered. Not all of the sellers were offering at this basis however. There was not much buying last week albeit some of the larger paper coaters were keeping close to the market as they figure that the 6½c. price was a very low figure and far under what the material costs on a general average over the year.

Metallic Powders and Leaf

Aluminum powders and pastes have not been moving very lively during the past few weeks. The price situation has been reported spotted with weak points here and there but the quoted schedule has not been touched. A Federal specification for aluminum pigment paste for paint has been approved to become effective July 1. The new specification is TT-A-466. Copies may be procured from the Superintendent of Documents, Government Printing Office, Washington, at 5 cents each.

Baltimore Paint Salesmen's Club has elected the following officers:—President, B. A. Landau, of the C. M. Athey Paint Company; vice-president, J. E. Rosendale, of the Vita-Var Corporation; secretary, G. Shipper, of John T. Lewis & Co., and secretary, Fred Neeseman, of Fred Neeseman & Co.

LIQRO FATTY ACIDS INDUSOIL

...A NEW SOURCE OF SUPPLY

The Paper Industry is fast becoming an important source of raw materials for users of Fatty Acids. Industrial Chemical Sales is a pioneer refiner of these products and from its plants at Covington, Va., and Charleston, S. C., can offer large quantities of the following:

INDUSOIL

Excellent as a blend with red oil for textile soaps and can be used with red oil for most other applications required of red oil, including cutting oils, drawing compounds, soluble oils, pine scrubs, etc.

A blend of refined fatty acids, with the following specifications:

AVERAGE QUALITY OF INDUSOIL, MARCH 15, 1937

Specific Gravity 60°/60° F. 0.95-0.98
Viscosity (Saybolt) @ 100° F. 300-400 Sec.
@ 210° F. 55- 65 Sec.
Flash Point 350-385° F.
Fire Point 410-430° F.
Moisture Practically None
Ash Practically None
Completely Soluble in Petroleum Ether
Acid No. 170-185
Saponification Value 170-185
Color (Rosin Scale) G-I
Fatty Acid 55-65%, Average about 60%
Rosin Acids 28-35%, Average about 32%
Sterols 6-10%, Average about 8%

LIQRO

A blend of crude pine fatty acids, with the following specifications:
Acid No. 150 to 160
Rosin Acids 40 to 50%
Fatty Acids 35 to 45%
Sterols 15 to 20%

This material is available in large quantities both from our Covington, Va., mill and our new mill at Charleston, S. C.

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Present prices on contract F.O.B. Charleston, S. C.
Tank Cars.....$35.00 per ton Carloads, in drums $45.00 per ton

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Dammar Varnish Standard Proposed

OPD Washington Bureau
April 26, 1938

A new Federal specification for dammar varnish has been prepared by the technical committee on paint of the Federal Specifications Executive Committee, National Bureau of Standards. This has been submitted to individual manufacturers and to the Federation of Paint and Varnish Production Clubs, the National Paint, Varnish and Lacquer Association, and the American Gum Importers Association, with the request that comments be submitted to the committee by May 18.

The detailed requirements in the new specification are as follows:—

Color.—Material shall be no darker than 0.380 gram of potassium bichromate in 100 ml. of pure sulphuric acid of specific gravity of 1.84. Gardner color standards (1933) may be used, in which case the material shall be no darker than the No. 12 tube.

Nonvolatile matter. — Shall be no less than 45 percent by weight.

Nature of nonvolatile matter.—Shall be a good grade of dammar resin and shall not contain any rosin or other adulterants.

Nature of volatile matter.—Shall consist of turpentine, volatile mineral spirits, or a mixture thereof.

Acid number.—Shall be not more than 30, when calculated on basis of the nonvolatile content.

Viscosity at 25° C.—Not less than 0.50 and not more than 2.50 poises (between C and J, Gardner-Holdt scale).

Appearance.—The varnish shall be free from dirt, clotting, or gelatinization, and shall show no separation on standing.

Mixing and baking tests.—Shall conform to the requirements hereinafter specified, if and when it is definitely stated in the invitation for bids that the varnish is intended for use as a vehicle for white enamels that will be exposed to elevated temperatures.

Balto. Paint Ass'n Outing Scheduled for June 17

The April meeting of the Baltimore Paint, Varnish and Lacquer Association was addressed by J. Bossert and J. M. Schantz, both of the Hercules Powder Company. Mr. Bossert showed a technicolor reel depicting the operations of the company in securing and preparing the materials handled, with Mr. Schantz explaining the phases of production and uses made of the materials shown on the screen. The annual outing of the association will be held June 17 at the Hillendale Country Club.

Toronto Paint Technicians Addressed on Fish Oils

The Toronto Paint and Varnish Production Club May meeting will be addressed by Dr. B. C. Basto. In addition, two one-half-hour films on "Safety" will be shown. The April meeting, attended by fifty-six members and guests, was addressed by Louis Reizenstein, of the Falk Oil Company, Pittsburgh, Pa., on "Painting with Fish Oils."

Mr. Reizenstein said that fish oil on drying will have in the film varying molecular weights and varation in the size of the gel for each constituent of the oil; so that in a fish oil there is a low gel structure to coat and to fill in the interstices in the paint film, resulting in a compact film. He mentioned that fish oil films have great elasticity as well as adhesion, durability, wetting, and yellowing properties.

Cincinnati Paint Ass'n To Honor Trigg May 18

The Cincinnati Paint, Varnish and Lacquer Association will observe "Presidents' Night," in honor of Ernest T. Trigg, head of the National Paint, Varnish and Lacquer Association, at the Western Hills Country Club May 18. Invitations will be extended to the Louisville, Columbus and Indianapolis groups as well as to the Cincinnati, Indianapolis, Dayton and Columbus Production Club.

U.S. Glass Moved Offices

The United States Glass Company has transferred its general offices from Pittsburgh to Tiffin, Ohio. The move was made in order to facilitate more economical operations and to improve upon the service to the trade. Only certain executive departments and a branch of the sales department remains in Pittsburgh.

Oils, Fats, and Waxes

Linseed Oil Reduced by Crushers—Chinawood Oil Lower Under Freer Offerings—Perilla Shaded—Lard, Neatsfoot and Oleo Oils Down—Coconut and Palm Easier

Quotations on miscellaneous oils, fats and greases had a downward trend last week, supplies of various products being available at concessions. Here and there a fair inquiry was noted for edible and technical products, but transactions were generally limited to small or moderate quantities, a downward trend in cottonseed oil futures at times, fresh weakness in the markets for securities and uncertainty concerning political affairs making consumers disposed to adhere to a very conservative course in purchasing operations.

Chinawood oil weakened under freer offerings, sales being reported at lower prices. Oiticica oil was easier in comp-

Price Changes

Prices were changed during the past week as follows:—

Advanced

Linseed meal, 50c. per ton.
Palm kernel oil, ¼c. per lb.

Reduced

Chinawood oil, ½c. to ¾c. per lb.
Coconut oil, crude, ¼c. per lb.
Copra, 1-10c. per lb.
Corn oil, crude, ⅛c. per lb.
Cottonseed oil, crude, ⅛c. per lb.
Lard oil, ¼c. to ½c. per lb.
Linseed oil, 2-10c. per lb.
Linseed oil, fatty acid, 2-10c. per lb.
Neatsfoot oil, ¼c. to ¾c. per lb.
Oiticica oil, ½c. per lb.
Oleo oil, ½c. per lb.
Palm oil, ¼c. to ¾c. per lb.
Perilla oil, ¼c. per lb.
Sardine oil, crude, 2c. per gal.
Stearin, ¼c. per lb.

Comparative Values

Index numbers compiled from twenty-three typical oils, fats and greases on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
110.8	**112.6**	**114.5**	**149.6**

Market news that may have developed after this report was sent to press will be found on page 4.

pany with chinawood. Offerings of palm and perilla oils were noted at concessions. Stearin was available at lower levels, the easier situation being due to a lack of demand of consequence. Lard, neatsfoot and oleo oils were reduced by producers. Refined menhaden and sardine oils were stationary. Crude fish oils were nominal. Tallow offerings were light and the market ruled steady.

Vegetable Oils

Chinawood.—An easier tone developed in local and Pacific Coast markets, this being a reflection of keener competition among holders. Also offerings from Hongkong, although not large, apparently showed some increase as compared with recent preceding weeks. In the local market sales were reported early in the week at 12c. per pound and later on at 11.8c. per pound in tankcars. There were rumors current later in the period to the effect that supplies were available at 11½c., but no sales were reported at that figure. Sales of oil in drums on spot were reported at 12½c. to 12¾c. per pound.

Coconut.—The market remained quiet and in the case of crude oil the tone was easier, quotations being shaded ⅛c. There were reports of occasional inquiries and sales but the volume of business closed for the week was unimportant. Refined oil was maintained at previous price levels and the tone of the market appeared to be steady. Copra was still nominal in domestic markets, although frequent fluctuations were reported in prices at London.

SAN FRANCISCO, April 27.—Crude coconut oil quoted today at 3⅛c. per pound in tankcars, f.o.b. Pacific Coast ports and/or mills for delivery in nearby and forward positions. Copra was quiet. Offerings were light with sellers hesitant about confirming more than a few small parcels at a time. Quoted today at $1.90 to $1.95 per pound, c.i.f. Pacific Coast ports for early shipment from source.

Corn.—An easier tone in competing products was reflected in crude corn oil, quotations being shaded ⅛c., although offerings continued to be reported as very light. Refined oil was in fair demand and steady.

Cottonseed.—Edible oil was in fair request and the market retained a steady tone, quotations being maintained at former levels by refiners. Imported oil was nominal, offerings being light.

SAN FRANCISCO, April 27.—Japanese semi-refined cottonseed oil quoted at 7⅞c. per pound in tankcars, duty paid, f.o.b. San Francisco for early shipment out of the Orient.

Oiticica.—An easier tone was due to a downward trend in chinawood oil. Quotations were shaded ¼c. to ½c. per pound with offering light.

Palm.—Quotations were reduced ⅛c. to ⅜c. per pound, the easier tone being due to the absence of any improvement in demand and a downward trend in other commodities. Palmkernel oil was firmer, the market being influenced by the recent strength of competing product.

Peanut.—Crude offerings were reported as light and the tone of Southern markets was steady, price movements being narrow.

Trading in shelled peanut futures on the New York Produce Exchange from April 23 to April 29, inclusive, comprised 2 contracts, a total of 60,000 pounds. Following is a price record of the week:—

	Cents per pound		
	High.	Low.	Close.
October	5.65	5.65	5.60@5.74
December	...	...	5.60&5.75

Perilla.—The market here had an easier tone, quotations being shaded ⅛c. in the absence of any improvement in demand. Offerings remained light.

Markets at Other Centers

San Francisco, Apr. 27.—Purchasing of materials in the local vegetable oil market last week ran in moderate fashion, with routine fill-in orders in evidence, while at the same time the structure of the list, with the exception of chinawood oil, remained in steady tone.

BABASSU.—Quoted on the basis of 6⅛c. per pound in tankcars, f.o.b. mill, Pacific Coast for May/June shipment.

COTTONSEED. — Japanese semi-refined oil is quoted on the basis of 7⅞c. per pound in tankcars, duty paid, f.o.b. San Francisco for early shipment out of the Orient.

PERILLA.—Crude oil is quoted on the basis of 9.8c. per pound for prompt and deferred shipment in tankcars, f.o.b. Pacific Coast ports.

TEASEED.—Quoted 7⅛c. per pound in tankcars, f.o.b. Pacific Coast ports, April/July shipment from the Orient.

Chicago, Apr. 29.—Sellers of vegetable oils are glad to take on business at currently quoted figures in most of the representative grades of material but buyers are holding off.

COCONUT.—Coast basis in tanks, April-forward, 3⅛c. to 3¼c. per pound. Refined, edible oil, 9¼c. to 9½c., barrels, car lots; and 9¾c. to 10c., barrels, less than car lots.

CORN.—Crude, low acid, 7c. to 7¼c. per pound, partly nominal. Refined, edible oil, 9¾c. to 10¼c. per pound, car lots; and 10¼c. to 10½c., barrels, less than car lots.

CHINAWOOD.—Ruling nominal, 13¼c. to 13½c. per pound, prompt; 12¼c. to 12½c., deferred.

PEANUT. — Crude, 7⅛c. to 7¼c. per pound.

SOYBEAN.—Crude, mills, 5⅞c. to 6c. per pound.

The market for soybeans on the Chicago Board of Trade was quiet, traders and cash interests still being inclined as a rule to curtail operations or hold aloof pending further developments in the markets for grain and other commodities as well as in business and political affairs. Prices were irregular, but changes from day to day were generally moderate in the absence of wide fluctuations in grain. Offerings of cash beans as well as future contracts were light much of the time. Receipts at Chicago during the week ended April 23 were 119,000 bushels against 84,000 in the previous week and 62,000 bushels in the same week last year. Following is a price record, per bushel, for the week:—

	High.	Low.	Closing Apr. 29.	Closing Apr. 22.
Cash, No. 3..	$0.88½	$0.88¼	$0.88¼	$0.92
May	.92⅜	.90⅛	.90¼	.92¼
July	.92	.90¾	.91	.92¾
October	.89	.87⅝	.88	.89⅝

London, Apr. 16.—Soybean oil, crude, 22s. 3d. per cwt.; rapeseed, crude, 32s. 3d.; palm kernel, refined, English, 26s.; peanut, Bombay, 21s. 9d.; sardine, Japanese, 16s. 3d.; whale, crude, Rotterdam, 13s.

Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

Linseed Oil

Changes in flaxseed quotations generally moderate. Linseed oil lower. Meal up.

Flaxseed.—DULUTH, Apr. 29.—The most important news is that an unexpected demand for seed has developed. Seed houses, in several parts of the territory, tributary to this market, report being sold out of flax seed and ordering more on the demands of customers. While the prospect is still uncertain it would seem that there will be considerably more acreage sown to flax than was expected a month or even less time ago. Farmers have been seeding pretty rapidly since the heavy rains of last week, but further rains occurred this week so that it may be fields are again too soggy for work.

The week's closing range was as follows:—

	Cash.	May.	July.
Saturday	$1.93¾	$1.93¾	$1.93¾
Monday	1.91½	1.91½	1.91½
Tuesday	1.92	1.92	1.92
Wednesday	1.92	1.92	1.92
Thursday	1.90½	1.90½	1.92
Friday	1.89	1.89	1.89

Crop movement in bushels follows:—

	Receipts— 1938.	1937.	Shipments— 1938.	1937.
This week..	38	25	....	....
Since Aug. 1...	697,164	1,026,039	1,120,028	676,135

MINNEAPOLIS, Apr. 29.—Cash flax premiums faded slightly during the week for no good reason except that crushers were indifferent and competition for offers to carry for delivery was lacking. Linseed oil buying shows no force as yet and there is no need of supplies for crushing. Movement in the country picked up slightly but largely in territory that failed to produce good quality. Seed houses picked up one car of choice flax during the week but otherwise there was no demand from that trade. According to reports there was a sudden and unexpected jump in demand for seed flax and evidently farmers are going to sow more freely than expected.

Weather reports from the northwest have been very favorable and the ground is well soaked with moisture most everywhere in the spring grain territory. Altogether spring conditions through the northwest are the best in the past 8 to 10 years.

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The week's closing range was as follows:—

	Cash.	May.	July.
Saturday	$2.01½	$1.97½	$1.96½
Monday	1.97½	1.94½	1.94½
Tuesday	2.00	1.97	1.96
Wednesday	2.00	1.96½	1.96
Thursday	1.97	1.94	1.94
Friday	1.93½	1.92½	1.93

Crop movement in bushels as follows:—

	Receipts—		Shipments—	
	1938.	1937.	1938.	1937.
This week..	20,400	11,280	5,600	2,000
Since Sept. 1	3,453,370	3,151,410	763,520	317,470

WINNIPEG, Apr. 29.—The market for flaxseed continued quiet. Changes in prices were generally moderate and in company with grain. The week's closing range was as follows:—

	Cash.	May.	July.
Saturday	$1.55	$1.55	$1.56½
Monday	1.54	1.54	1.56¼
Tuesday	1.54¼	1.54¼	1.56
Wednesday	1.54⅝	1.54⅝	1.56⅛
Thursday	1.54⅝	1.54⅝	1.55⅞
Friday	1.53	1.53	1.54

BUENOS AIRES, Apr. 29.—Opening prices per bushel on May contracts were:—

	Last week.	Last year.
Saturday	$1.27¼	$1.33
Monday	1.27¼	1.33
Tuesday	1.26¼	1.31
Wednesday	1.26⅝	1.32
Thursday	1.26¾	1.31¾
Friday	1.26¾	•..

• Holiday.

Exports

To—	Bushels— Last week.	Previous week.	Last year.
United States	.....	79,000	488,000
United Kingdom	480,000	.....	.....
Continent	.....	264,000	110,000
Orders	390,000	.....	110,000
Others	.....	8,000	339,000
Totals	870,000	351,000	1,047,000

Since January 1

To—	Bushels— This year.	Last year.
United States	4,699,000	14,015,000
United Kingdom	1,046,000	472,000
Continent	9,353,000	8,599,000
Orders	5,366,000	10,421,000
Others	860,000	2,383,000
Totals	21,324,000	35,890,000

Visible Supply

	Bushels.
Last week	6,693,000
Previous week	6,693,000
Last year	7,874,000

INDIA.—Exports of flaxseed from India last week were as follows:—

To—	Bushels— Last week.	Previous week.	Last year.
United Kingdom	652,000	4,000	28,000
Continent	.....	12,000	8,000
Others	20,000	.....	20,000
Totals	672,000	16,000	56,000

Since April 1—	Bushels— This year	Last year.
United Kingdom	1,104,000	184,000
Continent	40,000	48,000
Others	20,000	40,000
Totals	1,164,000	272,000

HULL, Apr. 29.—Quotations on flaxseed were:—

	Per ton— La Plata.	Bombay.
Saturday	£12	£13⅝
Monday	12	13⅝
Tuesday	12	13⅝
Wednesday	12	13⅝
Thursday	12	13⅝
Friday	12	13⅝

Linseed Oil.—Quotations were reduced 2-10c. per pound by crushers, the easier situation being traceable to keener competition among sellers in the absence of any improvement of consequence in demand. Occasional inquiries were received in some quarters, but the volume of business closed for the period was unimportant. Withdrawals on unfilled contracts were also below expectations, although the movement showed some increase as compared with the previous week.

Changes in flaxseed quotations in domestic and foreign markets were generally moderate. Demand for cash seed in the Northwest from crushers was rather light, but there was a material increase in the call from seed houses for planting purposes, and to some the indications pointed to a considerable increase in the area as compared with the recent intentions of farmers. Further rains were reported in the Northwest, and the condition of the soil was said to be much better than for many years past.

Receipts of flaxseed at New York last week were 179,000 bushels.

There was no trading in linseed oil futures on the New York Produce Exchange from April 23 to April 29, inclusive. Following is a price record for the week:—

	Cents per pound in tanks— High.	Low.	Close.
July	...	...	8.45 nom.
October	...	...	8.45 nom.

MINNEAPOLIS, Apr. 29.—A slight improvement in small lot linseed oil trade developed through the week and a few car lots were taken for quick shipment, but otherwise the market was dull with large buyers waiting around because of slow business conditions, better crop prospects in the northwest and liberal remaining reserve of Argentine seed as compared with a year ago. There seems to be no interest in deferred oil requirements and shipping instructions are not what they should be despite a further improvement during the week.

Prices were off 2c. today. Quotations on carload lots f.o.b. Minneapolis, tankcar lots 9.1c. per pound, cooperage car lots 9.7c. per pound and warehouse lots 10.1c. per pound.

Shipments of oil in pounds were as follows:—

	1938.	1937.
This week	1,580,544	2,060,451
Since Sept. 1	39,333,089	45,888,242

SAN FRANCISCO, Apr. 27.—Linseed oil here was dropped a total of three points on sellers' open quotations last week, but the market remained practically as quiet as ever. Quoted:—Tankcars, 9.2c. per pound; drum lots ex mill, 9.8c.; drum lots ex warehouse, 10.2c.

CHICAGO, Apr. 29.—Comparatively little ordering of linseed oil ahead. Ruling prices are:—Tankcar, 9.3c. per gallon; car lots, 9.9c.; less than car lots, 10.3c.

LONDON, Apr. 29.—Quotations on linseed oil were:—

	Per cwt.— s.	d.
Saturday	25	3
Monday	25	1½
Tuesday	24	10½
Wednesday	24	10½
Thursday	24	9
Friday	24	9

Cake and Meal.—The local market had a firmer tone. Cake unchanged but meal advanced 50c. per ton. Domestic trade in meal was more active. Export inquiry for cake fair.

MINNEAPOLIS, Apr. 29.—Demand for linseed meal easily equals supply and most of the crushers are sold ahead for a week or more. There is no reserve supply in any position and nothing to draw on. Quotations on carload lots f.o.b. Minneapolis, 100 pound sacks, $43 to $43.50 per ton.

Shipments of meal in pounds were as follows:—

	1938.	1937.
This week	1,269,450	2,945,005
Since Sept. 1	103,780,846	77,865,515

CHICAGO, Apr. 29.—Round lot business in linseed meal remains limited. Ruling prices are:—Round lots, $41 per ton, largely nominal; car lots, $41.50 to $42; less than car lots, $43.50 to $44.

Cottonseed Oil

Trading in refined oil futures in the local market was fairly active. Southern markets were generally quiet.

Cottonseed Oil.—Speculative operations in the local market for refined oil futures were on a fair scale last week although there was little snap to the dealings. Prices showed more or less irregularity but in the main the trend was downward, prevailing sentiment for the time being at least being rather more bearish as fresh weakness developed in securities while much uncertainty still prevailed concerning tax and other legislation at Washington. Then, too, the trend of lard futures was downward at times and supplies of various other fats and oils were available at concessions. In such circumstances there was more disposition among cottonseed oil traders to sell than there was to buy. Tired holders liquidated and trade interests were credited with sales although on weak spots commission houses and local traders as well as shorts made purchases.

Southern markets for crude oil were generally quiet. The tone in some sections was a shade easier but quotations appeared to be mainly nominal as offerings were light. Demand for cash refined oil was said to be comparatively small. Trade in lard compound was also reported as quiet. American lard was easier abroad. Receipts of hogs at some points showed an increase. Arrivals in the principal Western centers for four days of the week aggregated 178,400 head against 167,400 head in the same time last year. The weight of the hogs received at Chicago during the week ended April 23 averaged 250 pounds against 254 pounds in the previous week. Exports of lard from Atlantic and Gulf ports from November 1 last to April 23 were 83,922,919 pounds against 52,635,448 pounds in the same time last season, an increase this year of 31,287,471 pounds.

Interest in reports concerning the progress of the new cotton crop is increasing. Many of the reports from private sources were of an unfavorable character though advices of an opposite nature were not lacking. According to the official weekly government report rainfall during April has been much above normal in most of the cotton belt, in fact about twice the normal in considerable areas. In Texas planting continues in drier areas but the soil is still too wet in most sections. While early cotton is up to good stands in that state, growth is slow and germination of late plantings and replantings has been retarded by cold wet weather.

Trading in bleachable prime Summer yellow cottonseed oil future on the New York Produce Exchange from April 23 to April 29, inclusive, comprised 669 contracts, a total of 40,140,000 pounds. Following is a price record for the week:—

	Cents per pound in tanks— High.	Low.	Close.
May	8.48	8.05	8.16@8.12
July	8.39	7.94	8.03@8.04
September	8.34	7.88	7.97@7.98
October	8.33	7.82	7.92@7.93
December	8.31	7.82	7.89 sale

Crude, Southeast, .0687½, nom.

Chicago, Apr. 29.—Buyers of cottonseed oil apparently are interested mostly in moderate amounts of material, for prompt movement. Good, off-summer, yellow fig oil is 8½c. per pound. Refined, edible oil is 9¾c. to 10c., barrels, car lots; and 10c. to 10¼c., barrels, less than car lots.

Hull, Apr. 29.—Quotations on cottonseed oil were:—

	Refined. Per cwt. s.	d.	Egyptian crude. Per cwt. s.	d.
Saturday	20	0	17	0
Monday	20	0	17	0
Tuesday	20	0	17	0
Wednesday	20	0	17	0
Thursday	20	0	17	0
Friday	20	0	17	0

Cake and Meal. — A steady tone prevailed in Southern markets. Quiet conditions prevailed so far as new business was concerned, but offerings were light and spot quotations underwent little change.

Markets at Other Centers

Atlanta, Apr. 27.—Prices of cottonseed products are steady. Rains have further held up planting in the Southeast. It now seems that the amount of fertilizer to be applied to cotton this year will be greater per acre than normally, indicated by the volume of late fertilizer orders.

OIL.—Prime crude, 7c. to 7⅛c. per pound.

MEAL.—Seven per cent grade, $23.50 interior mill points.

Memphis, Apr. 29.—Few tanks crude cottonseed oil sold at 6⅞c., Valley points. Mills asking 7c., appearing confident of higher prices later on. Meal, 41 percent, $21.50 per ton, Memphis basis. Cake, $19 per ton, Valley points. Crop preparations still backward. No planting over wide area this section account excess moisture and abnormal coolness.

Closing cottonseed meal quotations on the Memphis exchange were as follows:—

	April 21.	April 28.
May	$21.30@21.70	$21.00@——
July	21.85@22.10	21.60@——
August	22.15@22.45	21.65@21.85
September	22.60@22.85	22.10@22.20
October	22.80@23.05	22.60@——

Fatty Acids

Capric Acid. — No broadening of inquiry was noted, makers of chemical bases and compounds being disinclined to increase the size of their purchases in the absence of any expansion in demand for their products. With stocks small on spot, the market retained a steady tone, quotations being held at former levels.

Coconut Oil. — The market for this fatty acid remained in a steady position. Basic material was easier, but the change in the trend found no reflection in the market for product. So far as new business was concerned, quiet conditions prevailed, but the movement into consuming channels on unfilled contracts has been sufficient in recent weeks to prevent any accumulation of supplies in the hands of sellers.

Cottonseed Oil. — Quotations were generally maintained at previous levels, and the tone of the market appeared to be steady. Buyers were not inclined to anticipate to any extent but there was a fair movement to makers of soaps and synthetic resins, the total apparently being up to that of recent preceding weeks.

Linseed Oil. — The market for this fatty acid was easier in company with basic material, which was influenced by keener competition among sellers. Consumers in the soap and synthetic resin industries were not inclined to provide to any important extent for future requirements, but there was a fair movement for the week.

Palm Oil. — Basic material was in an easier position, but the market for palm oil fatty acid retained a steady tone, although there was little to record in the way of activity so far as new business was concerned, the movement into consuming channels for the period apparently being mainly against contracts previously placed.

Stearic Acid. — The market retained a steady tone, but aside from this the situation lacked features of interest. Little change in the character of business was noticeable. There was a fair movement into consuming channels in the soap and candle industries or contracts and transient orders, but now business was rather slow. Previous selling schedules remained in effect.

Tall Oil. — Quotations were maintained at former levels and general conditions remained about as noted in the previous week. Buyers were not inclined to purchase ahead to any important extent at this period, but the movement to local and other consumers was apparently no smaller than in recent preceding weeks.

Markets at Other Centers

Chicago, Apr. 29.—Purchases of fatty acids have been made lately on a fairly stable price basis, with buyers apparently giving some little attention to the possibility of price improvement.

FATTY ACIDS.—Corn oil, double distilled, 7½c. to 8c. per pound, tankcar; 8c. to 8½c., barrels, car lots; 8½c. to 9c., barrels, less than car lots; coconut oil, acidulated, 8¼c. to 8½c., per pound, tankcar, mostly nominal; 8¾c. to 9c., barrels, car lots; 9¼c. to 9½c., barrels, less than car lots; cottonseed oil, double distilled, 7¼c. to 7¾c. per pound, tankcar; 7¾c. to 8¼c., barrels, car lots; 8¼c. to 8¾c., barrels, less than car lots; settled cottonseed soap stock, 60-62 percent basis, 2¾c. to 3c.; boiled down soap stock, 65 percent basis, 3¾c. to 4c.; cottonseed foots, 50 percent basis, 1¼c. to 1½c.

RED OILS. — Distilled or saponified, drums, 9½c. to 10½c. per pound; barrels, 9⅝c. to 10⅝c.

STEARIC ACID.—Distilled, single press, 10½c. to 11½c. per pound; double press, 11c. to 12c. per pound; triple press, 13¾c. to 14¾c.; saponified, ¼c. higher.

Fish Oils

Menhaden.—The market for refined oil had a steady tone but aside from this the situation lacked features of interest. Purchasing was apparently limited to comparatively small quantities to fill the current needs of consumers, the movement of such lots for the week being unimportant. Previous selling schedules remained in effect. Crude oil was quiet and nominal in primary centers.

Sardine. — Quotations on refined oil were stationary and the tone of the market appeared to be steady. There was a fair inquiry from local and outside buyers though consumers showed little disposition to anticipate. Crude was quoted at 38c. per gallon in tanks, coast.

Whale.—Refined oil selling schedules were maintained at previous levels, the tone of the market being steady. There were reports of a somewhat better inquiry for small lots.

Markets at Other Centers

San Francisco, Apr. 27.—Fish oil markets generally lacked feature again last week while the industry all up and down the coast lay dormant insofar as production operations were concerned. No sales were reported, although crude California sardine material is said to be available in moderate quantity at 38c. per gallon in tankcars, spot. Such oil is more or less closely held and observers in the market indicate that it would be unlikely if more than a few tanks could be picked up. The supply of resale material in the market of late has been more or less determined by the direction tallow takes.

March production in the San Pedro-San Diego area in California accounted for 49,615 gallons of oil, according to figures released last week. Total state production for the 1937-38 season therefore amounts to 11,657,008 gallons, including the oil

• OILS •
CHINA WOOD OIL
PERILLA OIL
SARDINE OIL
SPOT FUTURE
L. N. JACKSON & CO., Inc.
29 Broadway New York, N.Y.

THE BRODÉ CORPORATION, MEMPHIS TENNESSEE
COTTON SEED MEAL, CAKE, HULLS, HULL BRAN, CRUDE AND REFINED COTTON SEED OIL, PEANUT AND SOYA BEAN PRODUCTS
Codes: Yoppa, Robinsons, Bentleys, A. B. C. 5th Edition

Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

manufactured by the floating reduction plants. Such amounts to but 51.5 percent of the quantity made during the previous season, a figure almost precisely forecast some months ago in these columns.

Baltimore, Apr. 27.—It was reported that several more fishing vessels had gone out on the Florida coast, but this was coupled with the further information that the catch proved to be small and that the fish were not making any oil, which is not surprising at this time of the year, when the schools begin to move up North and there take on that fatness which makes the fish a factor in the oil market. The outlook for a high market is not regarded as promising, especially when the figures on some of the competitive materials, such as linseed oil and tallow, are taken into account.

Fats and Greases

Grease.—A steady tone prevailed, quotations, being maintained at former levels with the figures more or less nominal in the absence of any increase in offerings. There was a fair inquiry.

Lard.—Changes in cash quotations were generally within narrow limits. The Chicago market for futures was irregular. There were reports of a fair export movement. Purchasing by domestic interests was limited to comparatively small or moderate quantities.

Stearin.—The market remained in an easy position in the absence of any improvement in trade. Quotations were shaded ¼c.

Tallow.—The ruling tone was steady although there was little to record in the way of activity. Occasional inquiries were noted but actual business was apparently limited to unimportant quantities, large consumers still being inclined to hold aloof. Offerings were light.

Trading in tallow futures on the New York Produce Exchange from April 23 to April 29, inclusive, comprised 20 contracts, a total of 1,200,000 pounds. Following is a price record for the week:—

	—Cents per pound in tanks—		
	High.	Low.	Close.
July	5.60	5.60	5.25@5.40
September	5.70	5.50	5.45@5.50

Markets at Other Centers

Chicago, Apr. 29.—The cash lard market has revealed little in the way of basic change here recently. Buyers have been taking material in routine fashion.

The range of lard quotations from the opening Saturday, April 23, to the close Friday, April 29, is shown in the following table:—

	—Per 100 pounds—				
	Open.	High.	Low.	Close.	Previous Friday.
Cash	$8.47	$8.47	$8.05	$8.05	$8.45
May	8.50	8.50	8.02	8.05	8.25
July	8.77	8.77	8.30	8.35	8.45

TALLOWS (tierces).—Edible, 5⅛c. to 5¼c. per pound; prime, 5c. to 5¼c.; fancy, 5⅛c. to 5¼c.; special, 4⅝c. to 4¾c.; No. 1, 4¼c. to 4½c.

GREASES (tierces).—Choice white, 5¼c. to 5½c. per pound; A white, 4¾c. to 5c.; B white, 4½c. to 4¾c.; yellow, 10-16, 4¼c. to 4½c.; yellow, 16-20, 4c. to 4¼c.; brown, 3¾c. to 4c.

STEARINS (barrels).—Prime oleo, 6c. to 6¼c. per pound; lard, packages, 8¾c. to 9c.; A white grease, 5½c. to 5¾c.; yellow grease, 4¾c. to 5c.; extra oleo stocks, 8c. to 8¼c.; No. 2 stocks, 7½c. to 8c.

Liverpool, Apr. 29.—Quotations per cwt. on refined American lard were as follows:—

	Spot.	May.	July.	Oct.
	s. d.	s. d.	s. d.	s. d.
Saturday	49 0	43 6	44 3	45 0
Monday	49 0	43 6	44 6	45 3
Tuesday	48 6	43 0	43 6	44 9
Wednesday	48 0	42 6	43 3	44 0
Thursday	47 9	42 3	43 0	44 0
Friday	47 6	42 3	43 0	44 0

Liverpool, Apr. 29.—Quotations per cwt. on tallow were as follows:—

	Choice.	Fine, good mixed.
	s. d.	s. d.
Saturday	21 9	19 3
Monday	21 9	19 3
Tuesday	21 9	19 3
Wednesday	22 0	19 3
Thursday	22 0	19 3
Friday	22 0	19 3

Animal Oils

Degras.—The market retained a steady tone. Trade remained quiet but with stocks small on spot, holders were not inclined to offer very freely and prices were apparently well maintained.

Lard.—Quotations were reduced ¼c. to ½c. per pound by refiners, the easier situation being attributed to the absence of any broadening of trade, consumers still being disposed to limit their takings to comparatively small lots for prompt shipment.

Neatsfoot.—The market had an easier tone, quotations in some instances being shaded ¼c. to ⅜c. per pound. Buying interest was generally limited to unimportant quantities.

Oleo.—Prices were reduced ½c. per pound and the market appeared to be easy at the lower level. As in recent preceding weeks, consumers were disinclined to purchase in advance of current needs.

Markets at Other Centers

Chicago, Apr. 29.—Prices for animal oils are not changed to any great extent. Purchases are mostly for early delivery.

LARD.—No. 1, 8c. to 8¼c. per pound.

OLEO.—No. 2, 8c. to 8¼c. per pound.

TALLOW.—Acidless, 7¼c. to 7½c. per pound, tanks; and 8½c. to 8¾c., drums.

Waxes

Bees. — Prices were repeated, but there did not seem to be much support given the market so far as a call from manufacturing consumers was concerned. The movement to buyers was distinctly routine, equal to recent volume, but lacking in signs of expansion. For the most part, the situation was favorable for those coming to the market with attractive orders in hand. Unsolicited tenders made by suppliers aroused little interest on the part of buyers. March imports were:—

	—Pounds—	
	Crude.	Refined.
France	.....	5,600
Portugal	22,541	.....
Guatemala	200	.....
Mexico	309	.....
Cuba	38,253	.....
Dominican Republic	27,934	.....
Haiti	3,653	.....
Brazil	137,660	.....
British East Africa	11,200	.....
Other African ports	22,691	.....
Totals	264,441	5,600

Candelilla.—Mexican control of price was absolute and the market kept a firm undertone on the surface at least. Just how much wax was moving at the prices asked at the source was a question, but because the control, if exercised by the government, suppliers at the source merely stood pat while awaiting the development of more demand locally.

Carnauba.—Competition was keen for the small amount of business current on this market last week. While not all sellers admitted doing business at the minimum prices noted, it was clear that others were selling without due regard for either the first cost of the goods sold or the prevailing cost to replace at present in the primary market. Stocks on this market were ample to cover present requirements. There has been plenty of wax available here for a long time past, holdings being in excess of the immediate needs of those who buy spot goods for consumption. Most manufacturers have been living off inventories for so long that some dealers believe that any reasonable recovery in business generally will cause them to enter the market for future delivery merchandise.

Japan.—A routine and generally sluggish market was the rule, but spot prices were already very close to shipment quotations and yield but little profit to sellers. Hence, there was little opportunity for shading. It was a nominal market to a substantial extent.

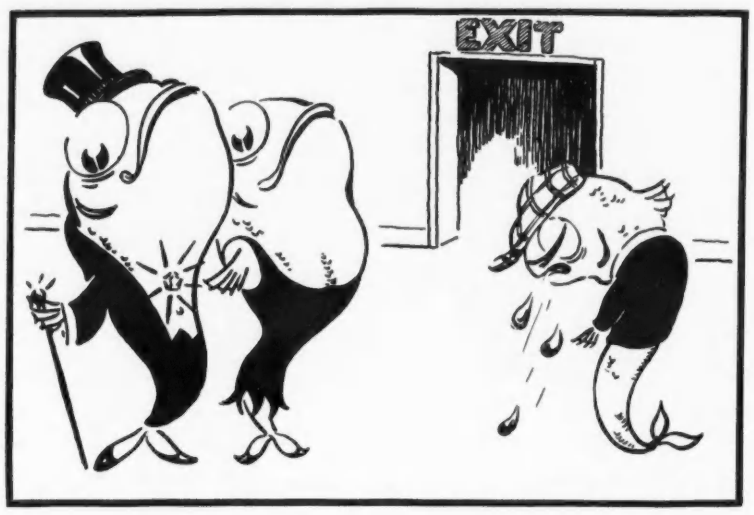
Bromine Output in U.S. Gained 27% in 1937

The domestic production of bromine in 1937 amounted to 13,100 short tons, valued at $5,180,177, compared with 10,305 tons, valued at $4,038,438 in 1936. The total value of imports of bromine and bromine products in 1937 was $225,268, 13 percent less than in 1936.

Ethylene dibromide imported from Germany amounted to 983,075 pounds, worth $190,190, a decrease of 22 percent in quantity and 10 percent in value.

Commercial sources in the United States include brine wells in California, Michigan, Ohio, and West Virginia, and seawater. The principal supply now comes from the ocean at Kure Beach, near Wilmington, N. C. The capacity of the North Carolina seaside plant was expanded in 1937 to recover bromine at the rate of 10,000 tons annually. A foreign seawater plant is now being considered, however, to be built on the island of Aruba, Dutch West Indies.

Elastoil Fish Scale Sketches



ELASTOIL BRAND PRODUCTS

Poor Fish - - he wasn't an Elastoil

He had F. O.

(*Fishy Odor*)

SARDINE OIL
MENHADEN OIL
PERILLA OIL
SOYA BEAN OIL
WALNUT OIL
CHINA WOOD OIL
OITICICA OIL
RAPESEED OIL
SPERM OIL
WHALE OIL
NEATSFOOT OIL

Elastoil Products, through twenty years of constant development, have practically eliminated the word "fish" in connection with these highly developed oils. Kettle processed Elastoils not only are absolutely free of any fish odor but have less odor from after oxidation than any of the commonly used drying oils. They are, therefore, used in the production of certain types of finishes and printing inks where a maximum of freedom from after oxidation odors is essential. The odorless qualities of Elastoil Products together with their excellent non-yellowing characteristics account for the fact that they are used today in large quantities for the production of interior gloss, semi-gloss, and flat finishes.

Our Technical Service Department will be glad to help you select an Elastoil Product that is practically "tailor made" to your need.

REFINERS AND PROCESSORS
IMPORTERS, EXPORTERS AND MANUFACTURERS

Murray Oil Products Company
Main Office and Plant—Margaret and Pearce Streets, Philadelphia, Pa.

Industrial Oil Products Corporation
Office and Plant—5641-47 South Riverside Drive, Los Angeles, Cal.

Industrial Uses of Chemicals and Related Materials

(Formerly styled "Where You Can Sell")

Producers' Guide to New Markets Technical Information for Processors

Fully protected by copyright

Five-hundred-ninety-first Recapitulative Instalment

(Parenthetical references are to the numbers of patents in the United States or other countries, as designated)

Argon

Analysis

Inert gas for laboratory work

Electrical

Gaseous filler for—
- Filament lamp bulbs used for all kinds of illuminating purposes, for general indoor and outdoor lighting as well as for other medium and high-power needs (frequently used in admixture with nitrogen)

Ingredient of—
- Gas mixtures used in the so-called "Neon Signs" (sometimes used in admixture with mercury)

Miscellaneous

Commonly said to be used in place of hydrogen in gas thermometers (not so used)

Radio

Often recorded in use as a gaseous filler in radio tubes (not so used now)

Cetyl Tellurocyanate

Disinfectant

Parasiticide (U.S. 1993040)

Diethyloctylamine Oxide

Chemical

Starting point (Brit. 460710) in making—
- Cleansing, disinfecting, and wetting agents by reacting with alkylene oxides
- Emulsifying agents for soaps, glue, gelatin, gums, and mucilages
- Textile stripping agents for vat dyestuffs by reacting with alkylene oxides and mixing with hydrosulphites

Glycerin

(Glicerina, Glycerina, Glycerine, Glycerinum, Glycerol, Glyceryl Hydroxide, Glyceryloxyhydrat, Glycyl Alcohol, Oelsuss, Propane-1:2:3-triol, Propenyl Alcohol, Propenyl Hydrate, Scheelesches Suss)

C.P. Grade

Analysis

Ingredient of—
- Grinding paste (admixture with emery powder) used for grinding and refitting glass parts
- Special lubricating mixtures with bentonite, offering the following advantages:—(1) Adjustable viscosity, (2) unaffected by nonaqueous solvents, (3) long-time stabilization even in presence of water, (4) viscosity unaffected by temperature of 100° C.
- Phenol-burn antidote (admixture with bromine)

Lubricant for—
- Stopcocks
- Interchangeable ground-glass parts

Lubricant in—
- Boring holes in rubber stoppers
- Inserting glass tubing through holes in rubber stoppers

Reagent in analytical methods and processes involving control and research

Softening and conditioning agent for—
- Rubber articles (following washing and soaking in ammoniated water)

Brewing

Clarifying agent

Cosmetic

Antiseptic
Bactericide
Carrier
Emollient
Humectant
Hygroscopic agent
Ingredient of—
- Almond creams
- Buttermilk lotions
- Creams
- Cuticle removers
- Greaseless lip-rouge
- Jellies
- Liquid face powders
- Nail bleaches
- Nail polishes
- Skin creams
- Sunburn lotions
- Vanishing creams

Penetration promoter
Promoter of miscibility with water
Softening agent
Soothing agent
Solvent
Sterilizer
Vehicle

Food

Humectant in—
- Bread
- Cakes
- Confectionery
- Chocolate
- Food products
- Packed grain products

Hygroscopic agent in—
- Infant foods
- Invalid foods
- Various food products

Ingredient of—
- Fish preservatives
- Meat-curing mixtures with pyroligneous acid
- Shelled egg preservative mixture with succinic or phosphoric acid

Inhibitor of—
- Odor development in food products

Lubricant for—
- Beaters, choppers, and other power-driven kitchen equipment (leaves no after-taste in the food)

Preservative for—
- Bread
- Cakes
- Confectionery
- Food products
- Packed grain products

Promoter of—
- Assimilation of foodstuffs
- Ductility and swelling (texture and volume) without adverse fermentation in bread doughs

Retarder of drying in—
- Bread
- Cakes
- Confectionery
- Packed grain products

Retarder of mould formation in—
- Bread
- Cakes
- Confectionery
- Packed grain products

Sterlizer for—
- Infant foods
- Invalid foods
- Meat products
- Mustard preparations
- Shelled eggs
- Various food products

Sweetening agent in—
- Cakes
- Confectionery
- Infant foods
- Invalid foods
- Various food products

Vehicle for—
- Flavoring agents used in food products and confectionery

Oral Hygiene

Antiseptic, sterilizer, and vehicle in—
- Dentifrices
- Gargles
- Nasal douches
- Mouthwashes

Phamaceutical

Constituent of—
- Biological serums
- Boric acid mixtures used as preservatives
- Gelatin bases for pastes, pastiles, and suppositories
- Gargles
- Glycerin suppositories
- Glycerites of alum, boric acid, lead subacetate, pepsin, phenol, starch, tannic acid, and other drugs
- Hexylresorcinol solutions
- Phenol solutions suggested for treatment of suppurative otitis media
- Picric acid dressings for wounds, sores, and burns
- Zinc oxide-calamine lotions for sunburn

Dehydrating agent for—
- Micro-organisms

Emollient
Excipient for—
- Pills
- Tablets

Humectant
Hygroscopic agent
Promoter of—
- Miscibility of various drugs with water

Reagent in making—
- Glycerophosphates

Solvent for—
- Antiseptics used in surgery and dentistry (affords a means of preparing highly concentrated solutions)

Solvent for—
- Iodoform and other antiseptic agents used for intra-articular and parenchymatous injection
- Phenol in making local anesthetics for the tympanum
- Soporifics of the barbiturate type
- Various drugs

Suggested for use as—
- Antidote for trichinae (intestinal phase only)
- Antiseptic (said to approach ideal closely)
- Bactericide (desirable for low destructive action on tissues)
- Laxative
- Lymphagog
- Promoter of penetration of various drugs
- Softening agent for crusts and necrotic tissue in wounds
- Soothing agent in throat irritations
- Sterilizing agent for surgical instruments and gloves
- Substitute for sugar in diabetes
- Treating agent for septic conditions of uterine tract
- Sweeting agent in—
- Preparations containing ferric chloride, cascara sagrada, cinchona
- Various medicinal preparations
- Vehicle in various classes of medicinal preparations

Soft Drink

Process material in making—
- Flavorings
- Smoothing agent
- Sweetening agent

Wine

Clarifying and settling agent
Imparter of—
- Oiliness to wines
- Palatability and smoothness to cheap dry wines

Maturing agent
Promoter of—
- Extractant action of alcohol for flavoring ingredients in cordial (liqueur) manufacture

Sterilizing agent
Suppressor of—
- After-fermentations in wines

Other Grades

Adhesives

Ingredient of—
- Label gums and adhesives
- Office and library adhesives

Air-Conditioning

Hygroscopic agent

Cellulose Products

Humectant for—
- Transparent wrapping materials

Hygroscopic agent for—
- Transparent wrapping materials

Ingredient of—
- Adhesives for transparent wrapping materials

Chemical

Dehydrating agent for—
- Alcohol

Liquid seal for—
- Pure hydrogen (temporary storage only)

Starting point in—
- Organic syntheses

Starting point in making—
- Allyl alcohol
- Chlorhydrius
- Esters, such as the nitric, sulphuric, phosphoric, glyceroboric, tartaric, succinic, malic, maleic, fumaric, citric
- Ethers, such as the monomethyl, monoethyl, dimethyl, diethyl
- Quinolin

Dye

Process material and starting point in making various dyestuffs

Explosives and Matches

Starting point in making—
- Nitrated compounds for low-freezing dynamites (in admixture with sugar)
- Nitroglycerin

Florist

Conditioning agent for—
- Plant leaves

Imparter of—
- Fresh and glossy appearance to plant leaves

Retarder of—
- Drying-out of plant leaves

Glass

Ingredient of—
- Etching agent, containing also ammonium bifluoride, calcium sulphate, and water

Illuminating Gas

Antifreeze in—
- Gas meters

Drying agent for—
- Gas generated at municipal gasworks

Ink

Adhesion promoter for—
- Inks for printing on glossy paper

Antioxidant
Antiseptic
Hygroscopic agent
Ingredient of—
- Autographic inks
- Hectographic inks
- Copying inks
- Chromolithographic inks
- Lithographic inks
- Plate-printing inks
- Printing inks
- Stamping inks
- Stencil inks
- Typewriting inks
- Writing inks

Offset preventer
Opacity promoter
Reducer for—
- Inks

Restrainer of—
- Quick-drying

Solvent for—
- Anilin dyes
- Other ink ingredients

Spreading agent
Sterilizer in—
- Preventing mould formation

Thickener
Toner

(To be continued)

Hexaphenyl-Tin

Lubricant

Addition agent (Brit. 445813) in—
- Lubricants for motors, turbines, flushing, and high-temperature work generally

Krypton

Analysis

Inert gas for laboratory work

Electrical

Ingredient of—
- Gaseous mixtures used in the so-called "Neon Signs"

Monobutyldiphenyl Phosphate, Chlorinated

Lubricant

Stabilizer (Brit. 448424) for—
- Viscous oils, such as Pennsylvania or Midcontinent petroleums, used for extreme pressure work

Tetracresyl-Mercury

Lubricant

Addition agent (Brit. 445813) in—
- Lubricants for motors, turbines, flushing, and high-temperature work generally

Trimethylene Phosphate, Chlorinated

Lubricant

Stabilizer (Brit. 448424) for—
- Viscous oils, such as Pennsylvania or Midcontinent petroleum, used for extreme pressure work

Xenon

Electrical

Ingredient of—
- Gaseous mixtures used in the so-called "Neon Signs"

Drugs, Fine Chemicals

Bismuth Metal Advance Leaves Salts Unchanged—Sulfanilamide Reduced—Quinine-Urea Hydrochloride Up—Japan Enters World Glycerin Market as Exporter

Demand for drugs and fine chemicals was conventional last week. It was also productive of a demand considerably less than that reasonably to be expected at this season of the year. It was clear that the influences that had kept trading cribbed, cabined and confined in recent months still prevailed and hence the total volume of trade was disappointing.

Of importance and interest was an advance in quotations on bismuth metal. This was the first change to be made by the makers over a long period of time and was clear evidence in substantiation of the producers oft repeated declaration of an exceptionally firm position for metal. It was important, also, to note that manufacturers of bismuth salts failed to advance prices, keeping intact the schedule of which they had complained as being unprofitable for a long time past. The element of competition prevented a badly needed appreciation of prices, according to report.

Quinine prices were firmly held at the rise noted late in the previous trading period. A higher schedule was named on quinine-urea hydrochloride, but no change was made in the schedules on cinchonidine and cinchonine.

Sulfanilamide was reduced, the movement reflecting lessened demand and increased competition. Cocoa butter was lower under competition and poor request.

The glycerin situation was one of fair stability. However, a release of figures covering March imports of refined material contained the surprising information that Japan delivered more than 600,000 pounds of the item to this country and in that month. Japan is a rising factor in the glycerin world, having ceased to be an importer and, apparently, having an exportable surplus despite the fact that she is at war with China.

Acetanilide.—The market was not receiving the support normal for this article most of the time. There was a conservatism about demand that showed most sellers to be exercising substantial caution about taking on any large quantity of merchandise. Prices were about steady.

Acetophenetidin.—Demand was, of course, routine and decreasing in volume. However, that was no more than to be expected. Reports to the effect that the past Winter had not been a too satisfactory period were noted. Prices held.

Acid, Citric. — More seasonable weather prevailed in the East, and in the far, far West, temperatures rose to very high levels. More favorable temperatures also prevailed in the central states. These conditions were welcome to the sellers of this acid as it meant the probable beginning of seasonable consumption.

Acid, Tartaric.—Sales volume was expected to gain now that weather conditions more in line with Spring arrived more or less throughout the country. The market was very firm in undertone and the tendency, if any, was upward.

Price Changes

Prices were changed during the past week as follows:—

Advanced

Bismuth metal, 5c. per lb.
Quinine-urea hydrochloride, 1c. per lb.

Reduced

Cocoa butter, 1½c. per lb.
Sulfanilamide, 25c. per lb.

Comparative Values

Index numbers compiled from thirty-five typical drugs and fine chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
180.8	**180.6**	**180.2**	**181.1**

Market news that may have developed after this report was sent to press will be found on page 4.

Alcohol. — Production figures for March, 1938, show an output of 18,305,610 proof gallons of ethyl alcohol, comparing with 19,873,456 gallons in March, 1937. The total production since July 1, 1937, was 157,483,959 gallons; for the corresponding period, 1936-1937, 170,760,512 gallons. Stocks in hand on March 31 were 32,879,206 gallons in 1938 and 25,217,727 gallons in 1937. Production of completely denatured alcohol in March, 1938, was 130,577 wine gallons; 1937, 260,002 gallons. For the period July 1 to March 31, production totaled 21,903,239 gallons; corresponding period, 1936-1937, 20,062,592 gallons. Stocks at the end of March, 1938, amounted to 549,026 gallons; March, 1937, 799,919 gallons. Production of specially denatured alcohol in March, 1938, was 6,076,362 gallons; March, 1937, 6,292,297 gallons; total production, July 1, 1937, to March 31, 1938, was 52,455,581 gallons; corresponding period, 1936-1937, 59,283,661 gallons. Stocks on March 31, 1938, were 663,519 gallons; same date 1937, 479,888 gallons. Business in the local market continued to feel the effects of the generally slower and reduced activities in numerous of the consuming industries. However, some special lines were in very good shape and that gave some confidence to the principle suppliers.

Aloe.—Not a sign of any sort other than real strength was noted in this market and hence the situation was entirely opposed to the interest of those depending on this item as a raw material. High prices were expected to continue.

Aloin.—The entire situation was opposed to any turn of prices in favor of buyers. Cost of production, as dictated by the continued high price and comparative scarcity of raw material, was more than sufficient reason for sellers' forecast of well maintained quotations for the future.

Bismuth Metal and Salts.—Quotations on metal rose 5c. per pound last week without affecting the prevailing schedule on bismuth salts. Competition, apparently, was too keen to permit the group to reflect that higher cost of raw material notwithstanding the fact that producers of salts had complained about the too low market for many months past.

Castor Oil.—Business was very quiet and the market was mainly routine in all respects last week. Official quotations lacked quoteable change in a market fairly competitive most of the time.

CHICAGO, Apr. 28.—Castor oil is fairly steady. Tone of the market seems to be fairly stable. Ruling prices are:—No. 1, barrels, car lots, 10⅛c. per pound; less than car lots, 10⅞c.; returnable drums, car lots, 9⅞c.; less than car lots, 10⅝c.; tanks, 9⅜c.; No. 3, barrels, car lots, 9⅝c.; less than car lots, 10⅜c.; returnable drums, car lots, 9⅜c.; less than car lots, 10⅛c.; tanks, 8⅞c.

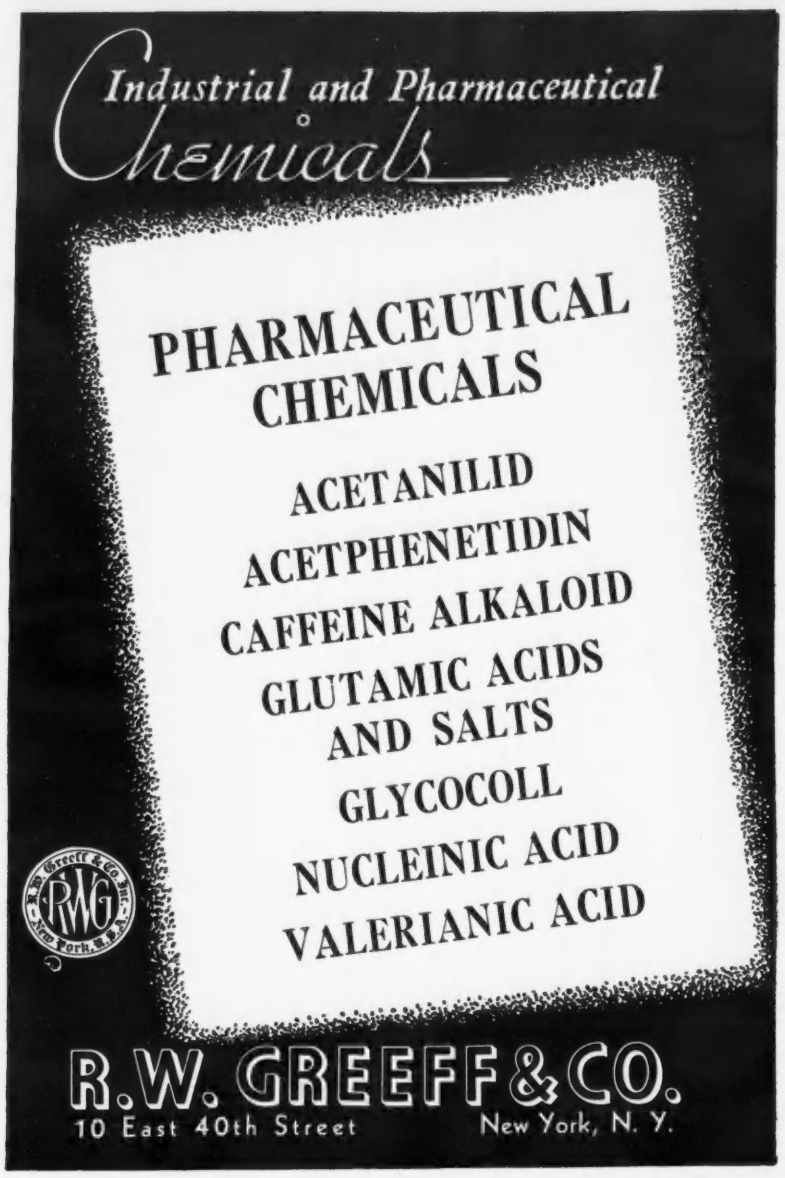
Cinchonidine. — Although some other derivatives of cinchona bark were advanced in price late in the previous week, quotations on this item lacked change, nor was there any change made during the past week. One quarter ventured the view that none would be made.

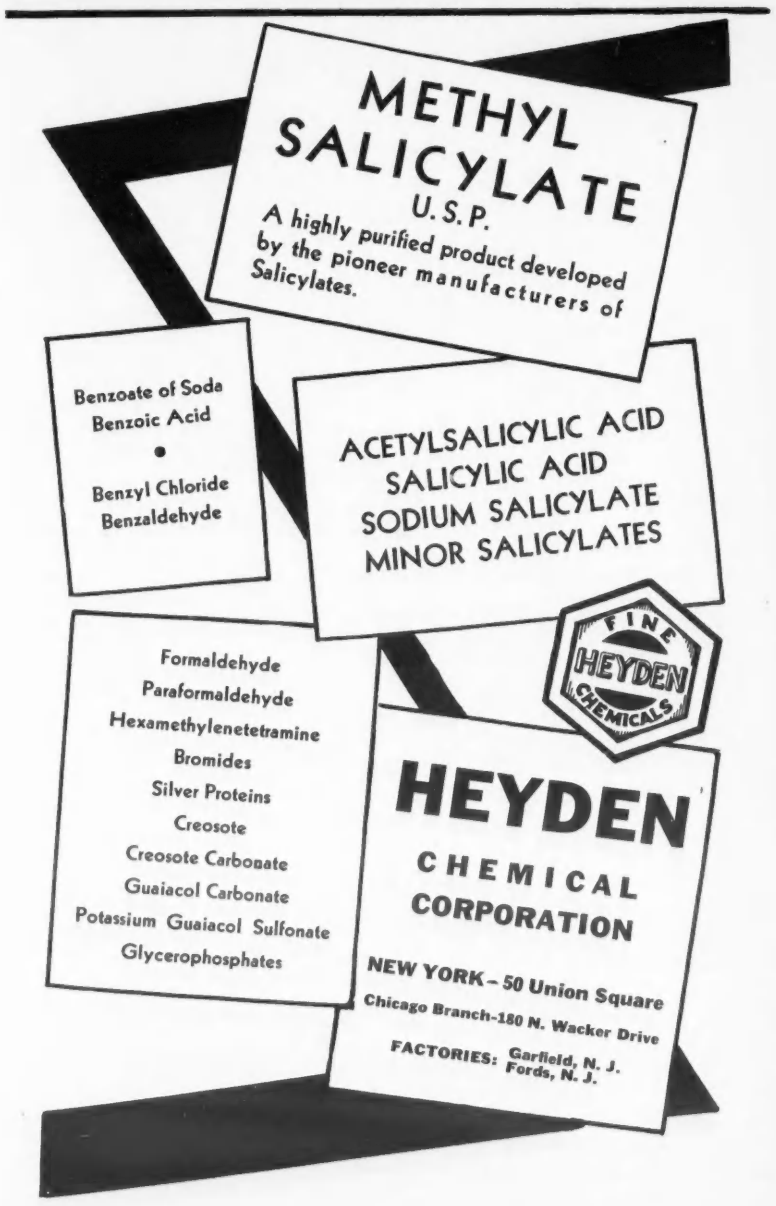
Cinchonine. — Unchanged in price when other derivatives of cinchona bark were advanced in price during the closing hours of the previous week, there was also no change during the period just ended, nor was any expected if the opinion of one quarter prove correct.

Cocoa Butter.—Quotations were lower at 12c. per pound in car lot quantities and business done during the period was very small. The raw material situation continued to be uncertain and the association representing the cocoa and chocolate manufacturers have sent its representative to West Africa to secure first hand information on the situation there.

Codliver Oil.—The spot market was quiet, a condition entirely natural at this time of the year when attention is centered on production and not on consumption and sales. Production in Norway has gained under the more favorable weather conditions on the fishing banks. Only twice in the past five years—in 1937, and in 1934, was production to April 11 larger than it was this year. It was felt here that production will be ample for requirements if

Current prices on drugs and fine chemicals are given in the alphabetical list of prices beginning on page 7





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output continues at a volume close to that at the present time. Total exports of various types of codliver oils from Norway during February, and in the same month a year ago, are shown in the following table:—

	Gallons	
	1937.	1938.
Steamed medicinal oil	187,710	134,520
Raw medicinal oil	3,750	13,650
Pale oil	141,180	81,720
Light brown industrial oil	257,820	244,740
Brown industrial oil	4,850	1,170

Importations of codliver oil into the United States in March this year were as follows:—

	Gallons.
Iceland	13,082
Norway	154,243
United Kingdom	71,914
Canada	12,738
Japan	11,180
Total	263,157

BERGEN, Apr. 11.—Market Report No. 7.—Although fishing was hindered to some extent by stormy weather last week, the production of crude medicinal codliver oil was the largest we have had so far this year in one single week, viz., in Lofoten, 7,253 hectoliters, and in all fishing districts together, 10,642 hectoliters, against 5,789 and 8,690 respectively the corresponding week last year.

The figures of the catch and production up to the end of last week, as compared with previous years, follow:—

Fish

	Kilos	
	Lofoten.	All districts.
1938	74,300,000	118,900,000
1937	76,800,000	119,000,000
1936	47,200,000	81,000,000
1935	51,200,000	76,300,000
1934	84,600,000	106,300,000

Oil

	Hectoliters*	
1938	35,748	54,074
1937	42,083	63,234
1936	27,826	43,044
1935	36,501	49,276
1934	58,018	68,909

* To convert into barrels multiply by .88.

Ephedrine.—The market lacked new developments, but the situation was still subject to considerable competition, mainly because of the absence of much movement of the article at this time.

Glycerin.—A market of routine proportions and definitely quiet variety prevailed on the spot last week. Buyers' requirements were readily supplied and while prices obtained were unchanged from those prevalent in recent weeks, it was said that the schedule was none too firm if the volume of consumption at this time meant anything. Stocks seemed to be meeting all requirements. Glycerin imports in March were as follows:—

	Pounds	
	Refined.	Crude.
Japan	661,493	.....
Netherlands	4,480	.....
Cuba	.....	309,331
Totals	665,973	309,331

CHICAGO, Apr. 28.—C.p. glycerin market is steady. Orders have been attaining fairly good totals. Stability prevailed in other sections of the glycerin market. Ruling prices are:—C.p., drums, 15½c. per pound; less than car lots, 16c.; cans, 17½c. to 19½c., according to quantity; dynamite, 15½c.

Cosmetic Tax Cut Removed from Bill

OPD Washington Bureau
April 28, 1938

In reaching full agreement on the pending revenue bill, the conferees of the house and senate rejected the senate provision to eliminate the tax on toilet articles sold by manufacturers for 9 cents each or less.

Other points agreed on were elimination of the house provision for an import excise tax on pork products, slight reduction in the tax on certain imported oilseeds as proposed by the senate, and exemption from the coconut oil tax of products from Guam and Samoa.

Menthol.—A very slow market kept undertone weak and prices subject to movement in favor of those with firm orders to fill. Synthetic menthol pressed firmly into the market held normally by natural menthol and some importers of the latter frankly declared that they felt the pressure would continue to increase. Another proposal to make natural menthol from American distilled peppermint oil came to the fore but if ever such material was made, it would have to face the keen competition of synthetic material.

Mercurials.—Competition was very keen and kept prices unsettled and subject to shading. The decreasing cost of raw material has made the position of foreign producers of mercurials still more favorable when it comes to sales in this market. It is still felt that the domestic producers will make an effort to secure protection against what many consider to be a dumping of Italian production on this market. The extent to which Italy has entered the United States with Italian mercurials in some measure is disclosed in the following tabulation of importations.

	Pounds	
	1937.	1936.
Mercuric chloride	35,523	.....
Mercurous chloride	22,207	.....
Mercury oxide	4,405	.....
Mercury preparations	15,310	.....

Methanol.—The market was but moderately active last week and most sales were for prompt requirements. A fair delivery against existing contracts was noted. Prices were mainly stable and free from fluctuation throughout the entire period. Production in March showed a gain over that in February and the output of synthetic material was still running well ahead of March a year ago. Monthly statistics on production of crude and synthetic methanol, representing almost the entire output of these commodities in the United States, have been released by Director William L. Austin, Bureau of the Census, Department of Commerce. The data include production figures for 28 manufacturers for the months of 1938

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and for 29 manufacturers in the months of 1937:—

Production

	Gallons			
	1938.		1937.	
	* Synthetic.	Crude.	* Synthetic.	Crude.
Jan.	2,896,894	458,347	1,835,815	525,070
Feb.	2,290,609	404,970	1,849,302	500,685
Mar.	2,343,828	432,800	2,071,747	546,662
Totals.	7,531,331	1,300,077	5,756,864	1,572,417

Wood Carbonized

	Cords	
	1938.	1937.
January	44,874	53,813
February	39,587	50,410
March	43,281	54,164
Total	128,156	158,387

* The refined equivalent would be approximately 82 percent of the crude production.

Quicksilver. — The market lacked further change but it was definitely dull as to demand and apparently weak so far as prices at which goods for import were obtainable. No further buying, nor signs of early resumption of buying by foreign purchasers operating through banks in San Francisco, was reported last week. Spot quotations held unchanged.

SAN FRANCISCO, Apr. 26.—This quicksilver market remained quiet last week. There were no indications that local buying was more than small and it was reported that the large interests involved in purchasing here a few weeks ago were no longer in the market for further quantities. The stocks of sellers here are small; very little metal is available. Only a moderate from New York inquiry was noted. Sellers here report their prices unchanged from the previous week.

Quinine.—The price for alkaloid is 76c. per ounce, not 75c. as reported in the previous trading period. Also, hydrochloride is 68c. and not 67½c. as the information was at the close of the previous week. Finally, tannate was confirmed at 57c., there having been a slight doubt regarding the price when the general change was made a week ago. The prices as set up were said to be very firm.

Quinine-Urea Hydrochloride.—Higher quotations at 75c. per ounce were in effect, the value reflecting the geenral advance in quinine alkaloid and salts during the previous trading period.

Silver Nitrate.—The schedule of prices since the last report prevailed as follows, covering quantities of 500 ounces, small lots from 1c. to 2c. more per ounce, and quantities of 500 ounces are quoted at about 1c. less. Comparison of prices of bullion in New York and London is also provided.

	Per ounce		
		Bullion	
	Nitrate.	New York.	London.
	Cents.	Cents.	Pence.
Saturday	31½	42¾	18⅛
Monday	31½	42¾	18⅞
Tuesday	31½	42¾	18⅛
Wednesday	31½	42¾	18⅛
Thursday	31½	42¾	18⅞
Friday	31½	42¾	..

Sulfanilamide.—Contraction in demand has been reported for some time past but during the period of lessened activity in the market, quotations remained unchanged. Last week they were reduced 25c. per pound to the basis of $1 per pound, 1,000 pound lots, one delivery; 100 pounds lots, $1.05; five pound bottles, $1.45.

N.Y. Drug Council Discusses Fair Trade

—*Continued from page* 5

Told About Fair Trade Laws," Hugh Craig, managing editor of the OIL, PAINT AND DRUG REPORTER and associate editor of the *Druggists Circular*, gave the conventioners a variety of facts with which to refute charges by opponents that fair trade contracts violate the antitrust laws, promote monopoly, are merely price-fixing devices, and raise the cost of living. Pointing out that the average mark-up of prices under fair trade contracts on drugs and cosmetics is 30.5 percent, not 50 percent and more, as is charged by opponents, Mr. Craig said that such a margin quite closely approached that of the lowest-cost department stores and other price cutters which so widely claim efficiency. The mark-up of R. H. Macy & Co. in 1937, Mr. Craig said, was 27.7 percent from a "padded basis" that included, in addition to the net cost of the goods sold, the company's costs of merchandising, alteration, occupancy, buying, and publicity.

Retailers were urged by Mr. Craig to talk to their customers, to placard their stores, telling the truth about the fair trade idea.

Fred Griffiths, president of the Pennsylvania Drug Company, said that chain drug stores did not find fair trade obnoxious. He cited several thousand items to show that fair trade contracts had not raised prices. S. L. Antonow, of the American Druggists Syndicate, expressed the view that manufacturers should divert from national advertising money to help publish the truth about fair trade. He also urged druggists to take advantage of the governmental plan of loans to business.

Development of good will between retailers and manufacturers and wholesalers under fair trade laws was stressed in talks by R. R. Gerstner, president of the council, and J. F. O'Brien, chairman of the State pharmaceutical association's committee on fair trade. A plea for hearty support of State and local organizations in their work for the retailer was made by E. S. Bellis, president of the New York State Pharmaceutical Association, who told convincingly the good work that his organization was doing.

Formation of a council, representative of manufacturers, wholesalers, and retailers who are in favor of fair trade was advocated by Herman L. Brooks, of the Coty Sales Corporation, president of the Toilet Goods Association. The purpose of the proposed council would be to tell the public the full story of the objectives and effects of fair trade laws. This proposal was endorsed by other speakers to the convention and by members of the retailers' association. It will be given consideration by the board of directors.

Dr. E. L. Newcomb, executive vice-president of the National Wholesale Druggists Association, declared that fair trade laws should be preserved in order that manufacturers and distributors might function soundly and with fair treatment for consumers; that the property rights in trademarks might be properly protected; that the free flow of branded goods might be maintained and the wasteful clogging of advertising endeavors be prevented; that business might be enabled to regulate itself for the prevention of monopoly.

Earl A. Means, vice-president of the Bristol-Myers Company, declaring that nobody was being bilked by fair trade, cited the beneficial results of this policy to the public, as well as to manufacturers and distributors. Similar comment was given by Charles Welch, secretary of the Toilet Goods Association, and several retail druggists, all urging that the gains represented by fair trade laws be consolidated and maintained by properly informing the public in respect of the workings of these laws.

The practice of compounding and dispensing medicines by hospitals, dispensaries, and clinics without the supervision of a registered pharmacist was strongly protested in a resolution adopted by the council. The council, which urged that legislation be drafted to compel all such institutions to place their pharmaceutical service on a par with the private practice of pharmacy.

The council condemned the A. C. Barnes Company, this city, for its new policy of marketing argyrol in dispensing packages requiring only the addition of water to make solutions of various strengths. The council protested the fact that the company so reflected on the ability of the pharmacist to prepare percentage solutions and took exception to the method used by the company to introduce the new packages by sending unrequested and unsolicited assortments to retailers. The council asked the company to discontinue the new packages and to withdraw its assortments.

The council elected the following officers:—President, Robert R. Gerstner; vice-presidents, J. J. Goldberg, Walter Janaro, and Abraham Auerbach; secretary, Dr. Hugo H. Schaeffer; treasurer, F. C. A. Schaefer.

About 2,000 retailers attended the convention and visited the exhibits by manufacturers of drug-store merchandise of wide variety.

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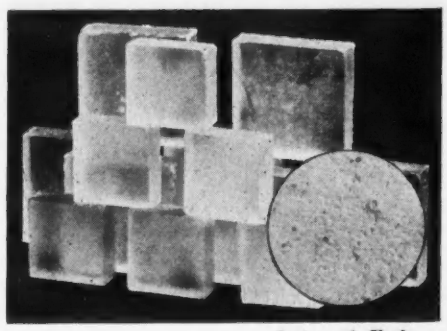

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Drug Bill Action To Be Expedited

OPD Washington Bureau
April 28, 1938

The food and drug bill (S. 5) probably will be brought up for debate on the floor of the house within the next week or ten days, depending on the condition of the house calendar.

In order to expedite consideration it is probably that the rules committee will recommend suspending the regular order on a given day so that this bill may have right of way, with a limitation placed on the amount of debate.

'Aspirub' Banned by F.T.C.

Justin Haynes & Co., this city, has been ordered by the Federal Trade Commission to cease representing, through use of the word "Aspirub," or any other word containing the letters, "Aspir," or simulating the word "Aspirin," or through any other means, that its preparation is aspirin. The order directs the company to stop representing that its preparation has any of the merits of or accomplishes to any substantial extent the beneficial therapeutic effects of aspirin, or that it has any substantial therapeutic or curative value other than as an irritant. The representation that the preparation can be absorbed into the body through the skin in an amount sufficient to produce any beneficial effect is to be discontinued.

Vick Fellowship Awarded

A fellowship to the department of chemistry of the University of North Carolina, established by the Vick Chemical Company recently, has been awarded to J. E. Everett, Jefferson City, Tenn. He is the son of a professor of education at Carson-Newman College Jefferson City, and did his undergraduate work there before studying at the University of North Carolina.

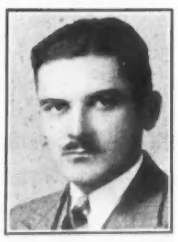
Mr. Everett now holds one of the Scandinavian fellowships awarded by J. M. Morehead, former United States ambassador to Sweden, and at present is studying in Stockholm under Prof. Euler at the Biochemical Institute. He will return to this country next Fall to accept the Vick fellowship.

Drug Chain Sales Off 7 Percent in March

Average daily sales of chain drug stores in March, 1938, were 7.0 percent lower than in March, 1937, according to the Bureau of Foreign and Domestic Commerce. March, 1938, sales were down 1.8 percent from February, 1938. The smallest decrease was shown by fountain sales, which were 1.5 percent lower; tobacco sales followed with a 4.7 percent decrease from last March, while "all other" sales decreased 10.8 percent. The South Atlantic region, with a 2.7 percent increase, showed the only improvement, and sales in the East North Central States declined 11.3 percent.

Searle Co. Names Layton Assistant Medical Director

Dr. Basil D. B. Layton has been appointed assistant medical director of G. D. Searle & Co., pharmaceutical manufacturer, Chicago. Dr. Layton is a native of Toronto, where he received his medical degree at the University of Toronto in 1931. He has practiced medicine in Toronto and done postgraduate work in diseases of the heart, lungs, nervous system and gastro-intestinal system, in London, England. He will assist Dr. R. S. Kemp, medical director of the Searle Laboratories.



Dr. B. D. B. Layton

James J. Morgan, of the Kimble Glass Company, Vineland, N. J., gave an address on "Production and Distribution of Druggists' Glassware" before the Baltimore branch of the American Pharmaceutical Association at its April meeting.

Mineral Concentration Improved by B. of M.

OPD Washington Bureau
April 26, 1938

Information which should be of great practical value in simplifying and cheapening the production of many of the nonmetallic, or "industrial," minerals used in the manufacture of numerous commercial products has been developed by the Bureau of Mines, Department of the Interior, as the result of extended studies of the flotation and agglomerate concentration of these minerals. Among the minerals studied are phosphate rock, barite, magnesite, calcium, and strontium.

Results of the investigation are summarized in a paper by O. C. Ralston, chief engineer in the nonmetals division, just published by the Bureau of Mines.

The two main filming methods used for mineral concentration are reviewed in their application to the nonmetalliferous minerals, from alunite to zircon. Agglomerate tabling is a division of the subject that is little known, even to flotation men, and is therefore of timely interest. Agglomeration is practiced at present only on sands suitable for gravity tabling and does not apply with so much success to the finer sizes. After filming the desired minerals with a suitable flotation collector, the film is enhanced with nonsaponifiable oils, such as petroleum, to the point where the oiled particles stick together in agglomerates of sufficient size to be caught in the crosswater of a concentrating table and washed away from the unagglomerated mineral particles. The process has been applied mainly to materials like Florida pebble phosphate and to beach sands, where no grinding is needed and slimes carry little or none of the desired mineral.

The nonmetallic minerals usually require flotation collectors of a different type from those used for sulphide ores. While a few nonmetallic minerals, such as sulphur and graphite, can be collected by use of xanthates and the phosphocresylates, most of them can be classed as basic or acidic minerals. Basic minerals can be collected with reagents where the complex and more lyophobic ion is the anion, as in soaps. Thus, nearly any calcium, magnesium, strontium, or barium mineral can be filmed with insoluble soaps by using fatty acids or their salts as collectors, or by use of the sulphonated or other type wetting agents in common use as soap substitutes. This class of flotation separation is called "soap flotation." The acidic minerals, such as the silicates and quartz, respond best to reagents carrying a complex-water-repellant action, such as an amine with a substituent of sufficiently long or complex structure to make it tend toward water-repellance.

The paper also lists with each mineral the pulp modifiers, activators, deactivators, and depressants that have special selective action on each of these minerals or the gangue which accompanies them.

Copies of this paper, report of investigations 3397, "Flotation and Agglomerate Concentration of Nonmetallic Minerals," may be obtained from the Bureau of Mines, Washington.

Soda Acetate in New Form

Acetate of soda in the form of "puffy kernels," which, it is said, does not harden or pack together, is being produced by William R. Rogers, Gloversville, N. Y. The manufacturer says that his new product, designated by the brand, "Snow White," is an iron-free technical grade, which is speedily soluble without boiling and cooling. This new acetate is packed in barrels or multiwall paper bags to avoid contamination with iron.

Standard Oil Company of New Jersey has sold to Tankport Terminals, 17 acres of the Eagle Oil Works holdings in the Craven Point section of Jersey City.

Cities Service Company stockholders voted to reduce the state value of the common stock to $37,455,670 from $187,278,350 at the annual meeting in Wilmington, Del., April 26.

General American Oil Company has sold to E. L. Wilson and W. L. Pickens, independent operators, Dallas, seventeen wells and 57 acres of leases in the East Texas field for $600,000.

Botanical Drugs, Spices, and Gums

New Crop Influences and Subnormal Commercial Needs of Buyers Keep Price Trend Down—Sales Conservative and Cover Prompt Requirements Only

Sales in the botanical drug market were conservative in size last week. Trade was at a volume close to the actually prompt requirements of manufacturing consumers. Anticipation of future needs was a rare activity during the past week. However, the latter condition was entirely normal for the market at this season of the year.

New crops now growing are partially responsible for curtailed buying. An added reason for slack trade was the generally subnormal character of consuming demand, which has been curtailed by the general recession in business. However, with new crops to be marketed as the Spring and Summer months pass, dealers and consumers alike were disposed to hold aloof in order that advantage might be taken of any future declines in the primary market cost of new merchandise.

Price trend on the spot continued predominantly downward in trend: Liquidation of long spot stocks, together with new crop influences on prices, accounted for the movement in favor of buyers. Despite the trend downward, it should be noted that the fall in prices since January 1 has run far; far enough, that is, to have brought the REPORTER's index number on botanicals to a level eight points below that prevailing a year ago at this time.

Entries of botanicals at the port of New York since the week of January 1, 1938, the detentions of these items by the Department of Agriculture because of the presence of matter rendering them unfit for human consumption were:—

	Bags	
	Detained.	Entered.
Anise	60	428
Belladonna	0	202
Caraway	000	1,888
Cardamom (cases)	...	789
Celery	...	281
Coriander	880	1,910
Cumin	312	1,037
Digitalis leaves (cases)	68	68
Dill	...	105
Fennel	132	160
Henbane leaves (bales)	42	107
Mustard	200	13,849
Poppy	300	16,176
Sage leaves (bales)	...	162
Sesame	354	2,858
Stramonium (bales)	364	364
Thyme (bales)	9	176

Current prices on botanical drugs and spices are given in the alphabetical list of prices beginning on page 7

Price Changes

Prices were changed during the past week as follows:—

Advanced

Caraway seed, ⅛c. per lb.
Celery seed, French, ¼c. per lb.
India, ¼c. per lb.
Cassia, Batavia No. 3, 1c. per lb.
Ginger root, Cochin, lemon, ¼c. per lb.
Millet seed, yellow, ¼c. per lb.
Mustard seed, English yellow, ⅛c. per lb.
Mace, Siauw, 2c. per lb.

Reduced

Arnica flowers, 1c. per lb.
Aletris root, 2c. per lb.
Bayberry bark, 3c. per lb.
Black haw, root bark, 4c. per lb.
Butternut bark, 1c. per lb.
Coltsfoot leaves, 1c. per lb.
Cranesbill root, 2c. per lb.
Damiana leaves, 1c. per lb.
Deertongue leaves, ½c. per lb.
Ergot, c. per lb.
Ginger root, frican, ½c. per lb.
Gentian root, whole, ¼c. per lb.
powdered, 1c. per lb.
Helonias root, 1c. per lb.
Ipecac root, whole, 5c. per lb.
powdered, 5c. per lb.
Lavender flowers, select, 2c. per lb.
Matico leaves, 1c. per lb.
Nutmegs, West Indian, ¼c. per lb.
Pimento, ¼c. per lb.
Rapeseed, Dutch, ¼c. per lb.
Senega root, 5c. per lb.
Serpentaria root, 5c. per lb.
Uva ursi leaves, 1c. per lb.

Comparative Values

Index numbers compiled from forty typical botanicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
129.0	**130.3**	**130.9**	**129.8**

Market news that may have developed after this report was sent to press will be found on page 4.

Balsams

Peru.—Jobbing business prevailed and the market as a whole was very quiet. Open quotations lacked change and, for the most part, they seemed to be steady as quoted, mainly for the reason that they were in line with prevailing replacement cost.

Tolu.—While there was little trading last week, the market seemed to be steady in most quarters. At least, no open change was made in prices, and profitable shading was said to be checked by the cost of further supplies in the primary market.

Barks

Bayberry.—Some sellers have managed to buy replacement stocks at more advantageous prices, and in such quarters the market was being quoted 12c. to 15c. per pound, depending on quantity. Other sellers on spot were not reflecting a lower replacement opportunity, continuing to make the spot market minimum at 15c. per pound.

Black Haw.—Root bark was lower at 25c. to 26c. per pound. This movement was evidence of new crop influence, and the absence of much demand had little to do with the development of the easier situation. Tree bark was on the easy side, but lacked change.

Butternut.—Offerings were made at 7c. to 8c. per pound last week, and, although slightly lower in price, the article lacked a movement exceeding that of jobbing proportions throughout the period.

Elm.—Talk of lower spot prices was noted, but, with local supplies restricted virtually to a single holder, select bark brought 50c. to 55c. per pound from the manufacturing consumer. Sales to competitors have been made locally at 45c. per pound as a special courtesy.

Wahoo.—The tendency was downward, mainly because prices have been exceptionally high and the prospect of new crop being offered more liberally at lower prices tended to keep local holders of old crop merchandise inclined to accept reasonable bids. Demand was actually irregular and usually small.

Beans

Tonka.—Routine, but strictly jobbing, business was done locally and the market as a whole was quiet, inactive, but lacking in new developments so far as prices were concerned.

Vanilla.—If the latest digest of reports obtained by cable, wireless, and letter properly reflect the primary and secondary market position of Bourbon beans, then the future of prices appeared to be definitely bullish. A short crop seems to be assured and a large production must wait until new vines planted some time back are old enough to bear. That will not be for about two years. In the meantime, local merchants in most instances fear an advance of prices. Recent experience has been that when prices for vanilla beans pass a certain level, buyers curtail purchases substantially, thus turning a short position into one actually long regardless of how small stocks may be. Hence, most dealers are advising consumers to cover at the current market.

Berries

Raspberries. — Local prices held, mainly because the holdover stock is too small to turn buyers to a policy of reduction of supplies in anticipation of new crop offerings at lower prices. However, the market was favorable for buyers.

Saw Palmetto.—Spot prices were on the high side when compared with quotations at which the primary market suppliers were ready to make deliveries. However, in view of the lack of demand, any quotation was more or less nominal.

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Flowers

Arnica. — Quotations were lower at 28c. to 30c. per pound. This seemed to be mainly a gesture made in anticipation of some dealers being able to buy new crop at more favorable prices. Of course, the crop is growing abroad and hence prices are uncertain. In view of the small carryover, some well informed quarters do not expect any substantial change in replacement cost.

Chamomile. — Quotations were considered to be already on the low side but in view of the fact that a new crop of Hungarian and Roman flowers will come on the world market in the now not so far distant future, local dealers and most consumers were disposed to await further developments at the source.

Lavender.—Select flowers were lower at 48c. to 50c. per pound. Little demand prevailed, of course, since it was the out-of-season period for substantial business. Competition was prominent.

Rose.—In some respects buyers with firm orders in hand stood a fair change of placing them at more attractive prices than prevailed as the open market basis for the item, the tendency toward shading has been rather wide spread. Red flowers were inactive and in statu quo.

Saffron.—Market inactivity was generally reported and for the most part only jobbing orders were filled during the past week. Prices on Spanish material remained generally steady, remarkably so when the volume of request was considered. Offerings from foreign sources were not much in excess of being small.

Gums

Arabic. — New developments were lacking. Consuming trade were buyers in small lots in most instances and found the market mainly to their liking since sellers were disposed to assume a competitive attitude toward values when firm orders were in sight. Large transactions were in eclipse.

Benzoin.—Inquiries for Sumatra gum confirmed the report that stocks were conservative in all directions. A fair amount of jobbing business also confirmed a firm position for prices.

Camphor.—Business was slow and that kept quotations on natural camphor somewhat unsettled. Consumers were out of the market so far as large requirements were concerned and signs of an expanding need were lacking. While quotably unchanged, natural camphor was easy. Synthetic material continued in well stabilized position notwithstanding some curtailment in industrial requirements generally.

Euphorbium.—Spot stocks were definitely small and, hence, the absence of demand was without effect on prices. Some quarters were without goods to supply.

Sandarac. — While the open quotation lacked change, market conditions favored buyers with firm orders in hand, this because of prevalent competition in a very dull market having the tendency to make some holders accept reasonable bids.

Herbs and Leaves

Coltsfoot.—The market was lower at 8c. to 9c. per pound as the result of a readjustment of local quotations to a position expected to be in line with the prices at which new crop leaves may be purchased abroad when marketed.

Damiana.—Quotations were lower at 15c. to 16c. per pound, resulting from competition that was the more active because of the development of a few inquiries for spot merchandise. Prac-

tically nothing had been done for some time past.

Deer Tongue.—Offerings at 9c. to 9½c. per pound were noted without much activity resulting among buyers. The shading of quotations reflected new crop influences in some degree.

Matico.—Although unsold stocks were not overly abundant in all quarters, the market showed softness that was probably the result of the generally downward trend of most botanical prices during recent weeks. Quotations were 24c. to 25c. per pound.

Uva Ursi.—Normal intercourse with Spain was still out of the question and hence prompt shipment direct from the source was virtually impossible. However, with the end of the civil war apparently in sight, some sellers were disposed to offer spot goods at the more favorable price of 10c. to 11c. per pound in anticipation of a revival of normal trading conditions.

Miscellaneous

Ergot.—Some sellers were uneasy about the market, fearing that a substantial change in the foreign situation may come with the ending of civil war in Spain. In such quarters, spot quotations were lower at $1.20 to $1.25 per pound, a quotation very closely in line with the lowest price paid for present spot supplies.

Guarana.—A slight gain in jobbing sales was reported and the market gained firmness in undertone and resistance to price shading tendencies that had been noted in the recent past.

Kamala.—The very small business done last week was taken on the basis of prices fully steady. Competition was a negligible quantity.

Papain.—The stronger and higher spot market prevailing at the end of the previous trading period was retained, mainly for the reason that higher shipment quotations from the source were apparently being maintained. Powder on spot was quoted at $1.40 to $1.45 per pound.

St. John's Bread.—Reserves were conservative in size, yet sufficient to care for requirements on a more substantial scale than the market has featured in recent weeks. Quotations remained steady.

Roots

Aletris.—Quotations stood at 38c. to 39c. per pound. Some dealers were without spot stocks, and in such instances they showed no disposition to buy replacements at this time. New crop offerings were expected to be bought at prices lower than now are being quoted.

Cranesbill.—Sellers revised quotations downward to the basis of 15c. to 16c. per pound, and, while no large surplus of stocks existed in the primary market, a fair-sized carryover on spot encouraged liquidation at more favorable values.

Gentian.—Whole was shaded to 9½c. to 10c. Ground material lacked change at 12c. to 13c. Powder was lower, holding at 13c. to 14c. These shiftings of values appeared to be jockeying for position in anticipation of a change in new crop conditions and prices.

Helonias.—The recently lower price of 59c. to 60c. per pound was continued unchanged, but conditions were favorable for buyers in most respects, and that was because of the fact that some sellers were taking a position on the market in anticipation of new crop price developments.

Ipecac.—Price declines were continued. Whole root was down to $1.10 to $1.15 per pound; powdered, $1.20 to $1.25. The situation on spot was highly competitive, a condition, however, in which all dealers were not joining at all times.

Senega.—At the close of the previous week quotations were shaded to 65c. to 70c. No further development was noted last week, but conditions favored buyers in most respects.

Serpentaria.—New crop influences continued at work, and prices for spot goods were revised downward again, making the market 90c. to 95c. per pound.

Seeds

Caraway.—The market was up a small fraction to 7⅛c. to 7½c. per pound on lessening competition.

Celery.—Fractional strengthening of values brought French seed higher at 14¼c. to 14¾c. per pound; India seed, 12⅝c. to 13c. These were prices more in line with replacement cost.

Coriander.—The range shifted to 5c. to 5⅜c. per pound in a market oppressed by lack of demand here and unsettlement at the source.

Millet.—Yellow seed was in request for Spring needs, and prices worked up fractionally to 3c. to 3⅜c. per pound. Hulled seed lacked change.

Mustard.—English yellow was slightly higher at 8⅝c. to 9c. per pound. No other price changes were made within the entire group.

Rape.—Less interest was disclosed, and quotations at 6½c. to 7c. per pound represented a fractional shading of values.

Spices

Cassia.—No. 3 Batavia was higher at 10½c. to 10¾c. per pound. None of the other cassia prices were changed.

Ginger.—African root was lower again, 7c. to 7½c. per pound being the market. On firm orders even less might be possible. Cochin lemon was fractionally higher at 11¾c. to 12c. Jamaica and Japanese root lacked quotable change.

Nutmegs.—West Indian nutmegs were lower at 11c. to 11¼c. per pound. The 110's and 80's lacked change.

Peppers.—Spot business was not very large, consisting of jobbing business in practically all instances. Quotations lacked quotable change, but the market seemed to possess a fair amount of competition.

Trading in black pepper futures on the New York Produce Exchange from April 23 to April 29, inclusive, comprised 52 contracts, a total of 1,747,200 pound. Following is a price record for the week:—

	Cents per pound		
	High.	Low.	Close.
January	5.75	5.60	5.84 sale
March	5.70	5.60	5.63@5.65
May	5.20	5.10	5.05@5.20
July	5.30	5.30	5.17@5.28
September	5.47	5.45	5.30@5.38
December	5.60	5.56	5.48@5.53

Pimento.—Price declines were extended, and late last week spot offerings were made at 14c. to 14¼c. per pound to conform with the results of local competition.

Micaceous Pigment For Casein Paints

A new pigment, specially of interest to manufacturers of casein paint, has been developed by the Universal Insulation Company, Chicago. It is known as silverflake, and is made in a micaceous mineral ore having properties which indicate that it is an intermediate alteration product between mica and the more completely altered mica known as vermiculite.

This raw material expands on heating, as does vermiculite, to form, it is said, a book structure of infinitely thin silvery flakes, hence its name, "silverflake." When the expanded material is ground, the plates are separated, and on account of the extreme thinness of these flakes, the subsequent wet-grinding to reduce the material to paint size, the producer says, needs only be carried to a fineness of 100 mesh. The plates or flakes are said to be more opaque than mica and to have sufficient plasticity to form an adhering coating with only water as the vehicle. On account of these properties silverflake, it is claimed, imparts to water paints unusual "covering power" and workability.

Silverflake is available as a water slurry containing 25 percent of solid pigment or as a dry powder prepared by filtering, drying, and regrinding the wet slurry. The unground expanded material is available to those preferring to do their own grinding, and the unexpanded ore is available to those who prefer to carry out the complete processing.

Cleve. Production Club Hears Talk on Color

The April meeting of the Cleveland Production Club was addressed on color by G. L. Erickson, technical director for the Braden-Sutphin Ink Company. Mr. Erickson said that the proper use of color consideration must be given to the stimulus, or the cause, or the conditions which the eye interprets as color sensations, as well as the reception and interpretation of these conditions, and the effects produced by the color sensation.

In general, he said, the use of color should be governed by common sense. The subject of color harmony and the use of color pictorially is an art and study in itself, he said. Individual tastes, he added, seem to have a great deal to do with the studies on this subject.

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Scouring Agents for Linen

(Continued from April 25 issue)

Galactamine reacted with (continued)—
(23) Mineral oils, sulphonated
(24) Naphthenic acids
(25) Oleic acids
(26) Phthalic acid esters of fatty acid glycerides
(27) Ricinoleic acid
(28) Stearic acid
(29) Stearolic acid
(30) Stearyl sulphate

Hydraphtol

Hydroxyethylglucamine reacted with—
(1) Abietic acid resins of higher acid number
(2) Alkylnaphthalenesulphonic acids
(3) Behenic acids
(4) Behenolic acids
(5) Brassidic acid
(6) Castor oil acids
(7) Chinawood oil acids
(8) Coconut oil acids
(9) Elaidic acids
(10) Eleostearic acids
(11) Erucic acid
(12) Fish oils, sulphonated
(13) Glyptals
(14) Higher alcohols, sulphonated
(15) Hydroxystearic acid
(16) Lauric acid
(17) Lauryl alcohol
(18) Linoleic acid
(19) Linolenic acid
(20) Linseed oil acids
(21) Mahogany acids
(22) Mineral oils, oxidized sulphonated
(23) Mineral oils, sulphonated
(24) Naphthenic acids
(25) Oleic acids
(26) Phthalic acid esters of fatty acid glycerides
(27) Ricinoleic acid
(28) Stearic acid
(29) Stearolic acid
(30) Stearyl sulphate

Igepon

Isobutyiglucamine reacted with
(1) Abietic acid resins of higher acid number
(2) Alkylnaphthalenesulphonic acids
(3) Behenic acids
(4) Behenolic acids
(5) Brassidic acid
(6) Castor oil acids
(7) Chinawood oil acids
(8) Coconut oil acids
(9) Elaidic acids
(10) Eleostearic acids
(11) Erucic acid
(12) Fish oils, sulphonated
(13) Glyptals
(14) Higher alcohols, sulphonated
(15) Hydroxystearic acid
(16) Lauric acid
(17) Lauryl alcohol
(18) Linoleic acid
(19) Linolenic acid
(20) Linseed oil acids
(21) Mahogany acids
(22) Mineral oils, oxidized sulphonated
(23) Mineral oils, sulphonated
(24) Naphthenic acids
(25) Oleic acids
(26) Phthalic acid esters of fatty acid glycerides

Isobutylglucamine reacted with—
(27) Ricinoleic acid
(28) Stearic acid
(29) Stearolic acid
(30) Stearyl sulphate

Kierole

Kierotex

Lanaclarin L.M.

Laurylglucamine reacted with—
(1) Abietic acid resins of higher acid number
(2) Alkylnaphthalenesulphonic acids
(3) Behenic acids
(4) Behenolic acids
(5) Brassidic acid
(6) Castor oil acids
(7) Chinawood oil acids
(8) Coconut oil acids
(9) Elaidic acids
(10) Eleostearic acids
(11) Erucic acid
(12) Fish oils, sulphonated
(13) Glyptals
(14) Higher alcohols, sulphonated
(15) Hydroxystearic acid
(16) Lauric acid
(17) Lauryl alcohol
(18) Linoleic acid
(19) Linolenic acid
(20) Linseed oil acids
(21) Mahogany acids
(22) Mineral oils, oxidized sulphonated
(23) Mineral oils, sulphonated
(24) Naphthenic acids
(25) Oleic acids
(26) Phthalic acid esters of fatty acid glycerides
(27) Ricinoleic acid
(28) Stearic acid
(29) Stearolic acid
(30) Stearyl sulphate

Lite

Mannamine reacted with—
(1) Abietic acid resins of higher acid number
(2) Alkylnaphthalenesulphonic acids
(3) Behenic acids
(4) Behenolic acids
(5) Brassidic acid
(6) Castor oil acids
(7) Chinawood oil acids
(8) Coconut oil acids
(9) Elaidic acids
(10) Eleostearic acids
(11) Erucic acid
(12) Fish oils, sulphonated
(13) Glyptals
(14) Higher alcohols, sulphonated
(15) Hydroxystearic acid
(16) Lauric acid
(17) Lauryl alcohol
(18) Linoleic acid
(19) Linolenic acid
(20) Linseed oil acids
(21) Mahogany acids
(22) Mineral oils, oxidized sulphonated
(23) Mineral oils, sulphonated
(24) Naphthenic acids
(25) Oleic acids
(26) Phthalic acid esters of fatty acid glycerides
(27) Ricinoleic acid
(28) Stearic acid
(29) Stearolic acid
(30) Stearyl sulphate

Methylfructamine reacted with
(1) Abietic acid resins of higher acid number
(2) Alkylnaphthalenesulphonic acids
(3) Behenic acids
(4) Behenolic acids
(5) Brassidic acid

Methylfructamine reacted with—
(6) Castor oil acids
(7) Chinawood oil acids
(8) Coconut oil acids
(9) Elaidic acids
(10) Eleostearic acids
(11) Erucic acid
(12) Fish oils, sulphonated
(13) Glyptals
(14) Higher alcohols, sulphonated
(15) Hydroxystearic acid
(16) Lauric acid
(17) Lauryl alcohol
(18) Linoleic acid
(19) Linolenic acid
(20) Linseed oil acids
(21) Mahogany acids
(22) Mineral oils, oxidized sulphonated
(23) Mineral oils, sulphonated
(24) Naphthenic acids
(25) Oleic acids
(26) Phthalic acid esters of fatty acid glycerides
(27) Ricinoleic acid
(28) Stearic acid
(29) Stearolic acid
(30) Stearyl sulphate

Methylgalactamine reacted with—
(1) Abietic acid resins of higher acid number
(2) Alkylnaphthalenesulphonic acids
(3) Behenic acids
(4) Behenolic acids
(5) Brassidic acid
(6) Castor oil acids
(7) Chinawood oil acids
(8) Coconut oil acids
(9) Elaidic acids
(10) Eleostearic acids
(11) Erucic acid
(12) Fish oils, sulphonated
(13) Glyptals
(14) Higher alcohols, sulphonated
(15) Hydroxystearic acid
(16) Lauric acid
(17) Lauryl alcohol
(18) Linoleic acid

Methylglucamine reacted with—
(1) Abietic acid resins of higher acid number
(2) Alkylnaphthalenesulphonic acids
(3) Behenic acids
(4) Behenolic acids
(5) Brassidic acid
(6) Castor oil acids
(7) Chinawood oil acids
(8) Coconut oil acids
(9) Elaidic acids
(10) Eleostearic acids
(11) Erucic acid
(12) Fish oils, sulphonated
(13) Glyptals
(14) Higher alcohols, sulphonated
(15) Hydroxystearic acid
(16) Lauric acid
(17) Lauryl alcohol
(18) Linoleic acid

(To be continued)

Essential Oils, Aromatic Chemicals

China Oils Lower in Price as Consumption Lags—Peppermint Unsettled as New Crop Makes Progress—Ginger Still Reflects Cheap Cost of Production

Once more, conditions in the market for essential oils were far more favorable for buyers than sellers. Demand lagged substantially most of the time and actual transactions were within narrow limits throughout the entire period. Quotations generally easy and the situation was such as to make most of them subject to successful bidding.

Chinese oils were lower on spot, mainly because of local conditions and partly because of a substantial improvement in the outlook for normal resumption of commerce with Hong Kong. Competition was the keener because of the narrowness of the consuming market.

Peppermint oil was lower on spot. The market was feeling the effect of the fact that another crop is in the ground and hence another influence was at work on the prevailing price structure. Oil was very cheap in all directions. Ginger oil was lowered once more and raw material was still so quoted as to make the cost of oil production trend in favor of the producers. Lemon and orange oils lacked new developments, but bergamot was shaded.

Price Changes

Prices were changed during the past week as follows:—

Advanced

Sassafras, natural, 10c. per lb.

Reduced

Anise, USP, 15c. per lb.
Bergamot, 5c. per lb.
Camphor, sassafrassy, cans, 1c. per lb.
Cassia, 5c. per lb.
Citronella, Java, 2c. per lb.
Cubeb, 15c. per lb.
Erigeron, 10c. per lb.
Ginger, 25c. per lb.
Patchouli, 25c. per lb.
Peppermint, natural, 5c. per lb.
redistilled, 5c. per lb.
Petitgrain, 5c. per lb.
Pineneedle, 4c. per lb.

Comparative Values

Index numbers compiled from twenty typical essential oils on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
72.8	73.2	75.1	83.7

Market news that may have developed after this report was sent to press will be found on page 4.

Essential Oils

Anise.—Some sellers have relaxed their price views smartly and late last week offered this item on the basis of 85c. to 95c. per pound, according to dealer. Demand remained routine.

Apricot Kernel.—Not much demand was noted. Needs of buyers were small and reached the spot infrequently during the past week. However, in view of the primary market situation, quotations remained very steady.

Bergamot.—A slight, further, concession brought the open price on spot down to $3.85 to $4 per pound, ruling as to seller and quantity. Trading was usually in small units that covered immediate needs in most instances.

Bois De Rose.—Business was inactive. Request had an irregular quality that gave evidence of the much reduced requirements of the leading sellers. Quotations were easy in undertone but lacked quotable change.

Cajeput.—Technical oil was priced as low as 47c. per pound, and was held as high as 55c. according to seller. The USP IX ranged 50c. to 66c. per pound, also according to supplier. Jobbing business made up the bulk of local transactions.

Camphor.—Sassafrassy oil in cases was down slightly to 19c. to 20c. per pound but the other quotations on both kinds of camphor oil lacked quotable change in a market mainly inactive.

Capsicum.—The raw material situation was unrelieved and its strong position gave strength to this derived merchandise. However, in view of the lack of substantial, supporting demand, prices failed to appreciate.

Cassia.—Spot quotations were lower at $1 to $1.05 per pound, evidence of the contraction of demand having once more affecting price views of sellers by inducing considerable competition whenever business should develop.

Citronella.—Trade was slow. Actual requirements of buyers alone seemed to be current, there being little tendency to stock up now against possible needs of the future. Prices were low, yet very easy and subject to competition on the spot. Java oil was lower at 38c. per pound in drums, and 40c. in cans.

Clove.—Prices held but when the lack of more than jobbing request was considered, it appeared that the current competition was such as to make for possible shading in resale quarters. The producers' desire was to keep values well stabilized.

Coriander.—The price to be paid depended solely on seller and quality. The range in quality was alleged to be very wide and on that basis the market was quoted $15 to $19.75 per pound; there were prices actually all the way between these extremes.

Cubeb.—Some quarters have taken an easier and lower market position on this material, quoting $2.60 per pound as an inside price, which contrasted with $3 per pound asked for little lots in a few directions. There was not much call last week.

Dill.—A fair and seasonal movement was reported in support of prices as quoted during the past several weeks. Interest was an improvement over that current of late and created undertones of a very steady sort.

Erigeron. — Although the available stock was very small, the mere fact that another crop is only a few months off was sufficient to make some quarters accept bids. The market was $2.30 to $2.40 as quoted.

Geranium.—Quotations were already low and highly favorable for buyers. Also, suppliers could care for any reasonable expansion of demand; their holdings were entirely adequate to a much broader and more active market than actually prevailed.

Ginger.—Prices were lower at $6.75 to $7 per pound and the item was still on the easy side and quotations seemed to be subject to shading when attractive request should develop. The cause of recent declines in prices, and also the source of the easy undertones on spot last week, was the much lower prices prevailing on raw material.

Lavender.—A degree of stability has come over the market since the recent reductions in prices. However, there has been little or no improvement in sales volume of late and trading during the period under review was very quiet.

Lemon. — Narrow consuming outlets and a fair amount of spot competition kept quotations on imported merchandise somewhat unsettled. The price of domestic oil, also, was so much lower than that at which Italian oil was quoted that it served to keep interest in the latter item more than moderately conservative. Demand should broaden in the not far distant future.

Patchouli. — Competition alone accounted for a shading of prices to the basis of $3.75 per pound as a minimum view on values. According to quality and seller, the range was to $8 per pound. Demand was routine and usually for small lots.

Peppermint.—Natural oil was lower at $1.95 to $2.20 per pound, while the redistilled article was also off to the basis of $2.15 to $2.40. No open change in primary market prices was announced, but, in view of the fact that ordinarily country dealers like to carry over small quantities when prices are low, it seemed probable that conditions were very unfavorable for buyers.

Petitgrain. — Under competition the article moved at $1 to $1.05 per pound in a not very active consuming market. The lower level was indicative of market unsettlement.

Pineneedle. — Although there was a

Current prices on essential oils and aromatic chemicals are given in the alphabetical list of prices beginning on page 7

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fair demand, and despite the fact that stocks were none too plentiful, one quarter on spot quoted the market at 98c. per pound last week. The range was to $1.02.

Sandalwood.—A quiet, steady market was the rule, spot quotations prevailing on Mysore oil according to the rate of sterling exchange. While the call could have been larger and still remained conservatives, there was a fair movement that contributed considerably to the maintenance of prices.

Sassafras. — Natural oil was slightly higher at $1 to $1.05 per pound. One prominent quarter reported difficulty in getting ample shipments of oil promptly from the source. It was also said that there had been some buying up of unsold oil at the source. Artificial oil was quite easy, but lacking in quotable change.

Aromatic Chemicals

Acetophenone. — Well-stabilized quotations were noted, and a routine but virtually normal volume of sales prevailed. Stocks were ample.

Anethol. — Raw material was easier again last week, without the price of this derived material being affected. However, the article also never felt the full effect of the advance in raw material quotations, and hence a reasonable stability at this time was in order.

Anisic Aldehyde. — A fair amount of prompt delivery business kept the market on a steady price basis last week, and as a whole the fact that raw material was easier was not reflected in the manufactured product. Competition was negligible.

Benzyl Compounds. — New developments were lacking. For the most part, prices were stable, even though demand proved to be but a slight support to the prevailing quotations. The supply was ample.

Borneol.—Stocks were very low, and hence the price situation was distinctly firm and free from the influence of normal competition. Demand was not very active at any time last week.

Citral.—Inquiry was fair, but resulting orders were conservative so far as the total of business was concerned. Prices remained very steady.

Ethyl Cinnamate.—Business was along jobbing lines in most instances and volume was conservative in size. Prices had a stable quality that indicated lack of more than moderate competition most of the time. Stocks could care for expanding request promptly and in full measure.

Hydroxycitronellal. — Price stabilization was the feature and the market was well clear of any influences likely to change that aspect of the market in the nearby future. Buyers' needs made a moderate total, but added to the generally steady situation.

Linalool.—In some respects it was a buyers' market. The call was just small enough to make for some unsettlement in certain quarters. However, the open price situation lacked change.

Methyl Acetophenone. — Hand-to-mouth business was the general experience last week. Buyers purchased close to their immediate requirements and were content to enter the market often for small quantities rather than to cover liberally for an extended period. Prices were well held.

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••

A chemical which gives better absorption and homogenity to cold creams. It is non-toxic and will not discolor.

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We recommend the use of from 3 to 5%.

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Colgate-Palmolive-Peet Names Little President

E. H. Little was elected president of the Colgate-Palmolive-Peet Company at the directors' meeting which followed the annual meeting of stockholders in Jersey City, April 27. S. Bayard Colgate was re-elected chairman of the board of directors, having assumed the duties of that office in addition to those of the president upon resignation as chairman of Charles S. Pearce last Summer.

Ben Pinchot Photo

E. H. Little

Born in Meckling county, near Charlotte, N. C., Mr. Little joined the old Colgate Company in 1902 as a salesman in the North and South Carolina territory. In 1906 he was made manager of the Memphis, Tenn., district, serving until 1910, when he resigned because of illness and went to Denver, Colo., to recover. Upon regaining his health in 1914 Mr. Little joined the old Palmolive Company as the Pacific coast sales manager. In 1919 he was appointed New York district sales manager, subsequently becoming divisional sales manager. He was made assistant general sales manager in 1924, becoming general manager of foreign sales in 1926, and he continued in charge of foreign sales after the merger with the Colgate Company in 1928. In March 1933 he was appointed vice-president in charge of sales and advertising.

Directors elected were G. F. Adamson, W. R. Basset, W. Gibson Carey, jr., Gilbert Colgate, Henry A. Colgate, R. B. Colgate, Russell Colgate, S. Bayard Colgate, J. A. Couler, W. B. Johnson, A. J. Lansing, Little, George W. Merck, Pearce, A. W. Peet, H. W. Remington and Norman F. S. Russell.

Chicago Production Club Inspects S.-W. Plant

Approximately seventy members and guests of the Chicago Paint and Varnish Production Club inspected the Kinsington, Ill., plant and laboratories of the Sherwin-Williams Company April 12.

The manufacturing departments visited included the intermediate, dry color, flushed color, dutch process lead, quick process lead, lead oxide, and lithopone plants.

Following a dinner served in the laboratory dining room, Max Silverman, of the research and development staff, presented a synoposis of his recent study of the relative characteristics of dry and flushed colors. Numerous panels and photographs illustrated the paper.

Trade Briefs

Sun Oil Company has leased additional space in the Graybar building, this city.

Edmund A. Cunningham has been named assistant sales manager for the Shell Oil Company at Sacramento, Calif.

Shell Petroleum Corporation has purchased ten oil wells and lease of 15 acres in the East Texas field for $300,000.

Texas Corporation is constructing a pipe line from the Barco concession in Colombia, completion of which is expected early in 1939.

Philipps Petroleum Company has purchased 143 acres in the new North Archer county discovery area for $69,500 cash from the L. W. McCrory estate.

Frank B. Ross Company, importer of waxes and related products, has moved from this city to 507 Eighth street, Hoboken, N. J.

John J. Watson, president of International Agricultural Corporation, has returned to his office in this city after spending several weeks at his Winter quarters in Albany, Ga.

Basking shark oil extraction and refining is the project of a British concern that has applied to the council of Argyllshire, Scotland, for permission to erect a factory at Carradale.

John W. Mackall has been elected vice-president of the Davison Chemical Corporation, Baltimore. Mr. Mackall has been serving as assistant to the president, Chester F. Hockley.

E. I. du Pont de Nemours & Co., Wilmington, is offering a new enamel for industrial finishes, known as short-bake "Dulux." Satisfactory adhesion to metal and good hiding in one coat is claimed. White or colors are available.

J. T. Hayward, of the Barnsdall Oil Company, Tulsa, has been appointed chairman of the 1938 central committee on drilling and production practice of the American Petroleum Institute's division of production.

Gustave Janssens & Co. is a newly organized limited firm in Antwerp, Belgium, which is engaging in the importation and exportation of chemical and organic fertilizers. Its offices are at 24 rue Arenberg.

Mrs. Josephine Wupperman, president of the Angostura-Wuppermann Corporation, manufacturer of bitters, who died in 1936, left an estate of $737,424 gross, $573,372 net, including 7,570 common shares of the corporation, valued at $416,355.

Dr. Stanford L. Hermann, son of Dr. Seymour M. Hermann, president of the Apex Chemical Co., manufacturer of chemicals, this city, has become engaged to Miss Sylvia B. Klarsfeld, this city. He is a member of the research staff of the Apex company.

Frank Phillips, president and general manager of the Phillips Petroleum Company for twenty-one years, has relinquished the presidency to K. S. Adams, vice-president. Mr. Phillips will continue as general manager and chairman of the board of directors.

Charles P. McCormick, president of McCormick & Co., spices, flavorings, and insecticides, Baltimore, gave an address on "Developing Junior Executives" April 20 before the American Management Association in its convention in Pittsburgh.

Dr. Kraus Wins Award Of Franklin Institute

Philadelphia, Pa., Apr. 28, 1938

Dr. Charles A. Kraus, professor of chemistry and director of research in chemistry for Brown University, has been awarded the Franklin medal, given annually by the Franklin Institute. His citation reads "in recognition of his numerous fundamental researches in chemistry and electrochemistry, particularly his valuable contribution to the knowledge of reactions in liquid ammonia, of the chemical behavior of metals and of the properties of electrolytic solutions. The presentation will be made May 20.

Penna. Oil Investigating Commission Found Invalid

Harrisburg, Apr. 25, 1938.

The decision of the Dauphin county court, holding the Oil Industry Investigating Commission invalid, was appealed by State's attorney general in the State supreme court. The attorney general planned to seek permission of the Dauphin court to let the appeal act as a supersedas, through which the commission could proceed with its work while the case is in litigation. The commission, established by the 1937 legislature, has been thwarted by court injunctions since January 20.

Carolene Co. Loses Filled Milk Suit

OPD Washington Bureau
April 25, 1938

The constitutionality of the filled milk act of 1923 was upheld by the Sureme Court of the United States today in a case involving the Carolene Products Company.

The act prohibits interstate shipment of skimmed milk compounded with any fat or oil other than milk fat so as to resemble milk or cream. The company was indicted in Illinois for interstate shipment of a product called "Milnut," a compound of condensed skimmed milk and coconut oil made in semblance of condensed milk or cream. The company argued that the law was unconstitutional, but in an opinion by Justice Stone the supreme court held that Congress is free to exclude from interstate commerce articles whose use in the States for which they are destined it may reasonably conceive to be injurious to the public health, morals, or welfare, and that the prohibition of a shipment of filled milk in interstate commerce is a permissible regulation of commerce.

The court also held that the law does not infringe the constitutional safeguard of equal protection of the laws even though it does not prohibit a shipment of butter substitute in which vegetable oils or fats are substituted for butter fats, because Congress had sufficient evidence of the danger to the public health from the general consumption of foods which have been stripped of elements essential to the maintenance of health and that a legislature may hit at an abuse which it has found, even though it has failed to strike at another.

A third point made by the court was that the law was not invalid because it contained a legislative declaration that the company's product is an adulterated article of food injurious to the public health and its sale constitutes a fraud on the public. The court held that, while a statute would violate the guaranty of due process of law "if it precluded the disproof in judicial proceedings of all facts which would tend to show that a statute depriving the suitor of life, liberty, or property, had a rational basis," but in this case the legislative findings rest upon some rational basis within the knowledge and experience of legislators and are not unduly prejudicial to the products of this company.

Justice McReynolds dissented without writing an opinion and Justice Black concurred in the result but dissented from the third point of the decision.

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Petroleum Solvents, Lubricants, Fuels

Solvents and Industrial Oils Steady—Consuming Activity Spotty —Gasoline Appears Steadier as Storage Is Reduced —Crude Oil Production Higher

Industrial raw materials derived from petroleum held free from price disturbance but were not favored with much activity on the demand side. Solvents were quite spotty and the waxes were quiet, while petrolatums and white mineral oils were moving into consumption at a slightly faster pace.

The gasoline situation was slightly better because of favorable weather conditions and increased activity on the consumption side. Stocks in storage were reduced, according to the statistics for the week ended April 23, and observers believed that another reduction in the inventories would take place during the week under review.

The daily average production of crude oil in the United States for the week ended April 23 was estimated at 3,440,100 barrels, an increase of 54,700 barrels over the preceding week, according to the American Petroleum Institute. The average for four weeks ended April 23 was 3,396,250 barrels and the average at this time a year ago was 3,496,400 barrels. Crude oil runs to stills were reported as having averaged 2,872,000 barrels for 77.6 percent of refinery operation, according to the reports filed by companies controlling 89 percent of the nation's refinery capacity. An additional 278,000 barrels were believed to have been sent to still unreported for a total estimated average of 3,150,000 barrels.

February output of crude reported by the Bureau of Mines was 94,662,000 barrels for a daily average of 3,381,000 barrels, against January output of 106,007,000 barrels for a daily average of 3,420,000 barrels.

Solvents and Diluents

Reports from the middle West indicate that some price shading has taken place in the Chicago district but the market subsequently appeared to be shaping up to a point of steadiness. The Midcontinent bulk market for solvents, naphthas and diluents was steady but rather quiet last week, and, in the East Coast, the refinery position was similarly characterized. The demand side of the general market has been spotty.

Cleaners' Naphthas.—The light naphthas have held to a steady price position at the Midcontinent refinery market. The tankcar quotations there were 6⅜c. per gallon, basis Group 3.

Petroleum Thinners.—Except for the Chicago market that had been the scene of some price shading, the bulk markets at other refinery centers were held in a steady position. The Midcontinent price for tankcar lots was 5⅜c. per gallon, basis Group 3, while the East Coast price remained at 9½c. per gallon. The demands were rather irregular last week.

Rubber Solvents.—The deliveries into the Akron tire shops have been small. Tire production for this year to date is far behind that of the corresponding period of 1937. The prices for light and heavy grades of the solvent have been steady and without change.

Stoddard Solvent.—In company with most other solvents there has been a high degree of irregularity in the demands of the market. Pricewise, the market has been steady at the refineries.

V.M. & P. Naphthas.—Tankcar quotations at the East Coast refinery market continued at the basis of 10c. per gallon. The Midcontinent market position was also unchanged. Local suppliers reported a mixed sort of demand with signs of activity on one day and absolute quiet the next.

Markets at Other Centers

Chicago, Apr. 28.—Some price shading has taken place in the petroleum solvents and diluents, but to date the earlier price structure seems to be prevailing rather well. Orders are along moderate line, with mostly limited quantities involved. Paint industry purchases are fair. Ruling prices in tankcar lots except as noted are (Tankcar prices f.o.b. Group 3, Oklahoma):—Blending naphtha, 4¼c. to 4½c. per gallon; cleaners' naphtha, 6⅜c. to 6½c., tankcar; 17.5c., tankwagon; petroleum spirits, 5⅜c. to 5½c., tankcar; 16.5c., tankwagon; lacquer diluent, 7⅜c. to 7½c.; rubber solvent, 6⅜c. to 6½c.; Stoddard solvent, 5⅞c. to 6c., tankcar; 16.2c., tankwagon; V.M.&P. naphtha, 6⅜c. to 6½c., tankcar; 16.5c., tankwagon.

Tulsa, Apr. 28.—More inquiries are coming into the market for v.m.&p. naphthas and rubber solvent. The former is quoted at 6⅜c. per gallon while the light cleaners and Stoddard are quoted from 5⅞c. to 6c. per gallon.

Lighter Fractions

Light gaseous solvents did not possess much in the way of new developments. The market's freedom from disturbance was perhaps its outstanding achievement. Demands from the regular consuming trades were routine, according to the latest reports from the sellers. Prices have been without change for several weeks.

Butanes. — Producers continued to quote the market at 3¾c. per gallon for tankcar quantities, basis Group 3. The movement of the material into consumption has been routine.

Heptanes.—The price schedule has not been changed in some time and the normal grade testing 86-100 degrees was priced at 9½c. per gallon in tankcars while the mixed article was priced at 8½c. per gallon, also in tankcars, both basis Group 3.

Pentanes.—There has been no change in the position of this material. Prices held the position they have occupied for the past several weeks and the demands continued in routine fashion.

Petrolatums and Waxes

White Mineral Oils.—Prices for U.S.P. and technical oils have been holding at a very steady pace. The market seems to be moving away from the spottiness that has been present for the past several weeks and some of the sellers were able to point to a fairly good rate of business last week. Imports of medicinal mineral oil in March were 78,847 gallons, of which 41,670 gallons came from Belgium and the remainder from Germany, according to the Department of Commerce.

Paraffin Waxes.—Scale wax was still quoted around the local market at 1.85c. per pound for either 122-124 or 124-126 A.m.p. grade. Buyers could shade this figure by 5 or 10 points on single car transactions but there was not much interest at any price. The fully refined waxes continued unchanged.

CHICAGO, Apr. 28.—Indications that the refined wax market is in a fair state of balance are reported currently, although considerable talk of stocks is heard. Offerings are stated to be rather ample at this time. Buyers are revealing a fair amount of interest in filling their early requirements. Ruling prices are:—122-124, 4.45c. to 4.55c. per pound; 125-127, 4.55c. to 4.65c.; 127-129, 4.65c. to 4.75c.; 130-132, bulk or bag, 5.10c. to 5.20c.; 132-134, bulk or bag, 5.35c. to 5.45c.

TULSA, Apr. 22.—Dullness conitnued in the market as few trades developed. Inquiries appeared to be increasing. The quotations were unchanged with the 124-26 American crude at 1.65c. to 1.90c. per pound for export while the domestic deliveries are 1.80c. to 2.25c. per pound in car lots and bags respectively.

Petrolatum.—Prices for amber and white grades continued steady at the low levels established some months back. The deliveries of l.c.l. quantities have been fair-sized during the past week or so but there is considerable spottiness among the buyers of car load lots. There is some seasonal interest in the market on behalf of the makers of sunburn creams and Summer specialties.

Fuels and Lubricants

The appearance of the gasoline market failed to register much of a change at the Midcontinent refinery sector but the Eastern market appeared to be showing some signs of a turn as a result of very favorable weather and broader consumption. The most significant event of the week was a reduction in the amount of gasoline in storage as shown by the A.P.I. statistics for the week ended April 23. Kerosene was quiet and weak. The heavy oil department was also soft.

Market Conditions

Gasoline.—The "going" position of the local tankcar market for 65 octane motor fuel continued at 6½c. per gallon with postings at 7c. per gallon. The market had an improved appearance last week, probably because of the mild weather conditions throughout the East and a resultant lift in consumption. The inventory position of the national market has improved, according to the latest statistics which are those for the week ended April 23. The total storage of gasoline on that date was 91,479,000 barrels against 92,001,000 barrels in the preceding week. Stocks at that time a year ago were 80,897,000 barrels. On the other hand, there was an increase in the stocks of residual fuel oil which would make for more cracking operations. February production of motor fuel was reported by the Bureau of Mines as 41,762,000 barrels against 47,681,000 barrels in January; domestic demand totaled 31,861,000 barrels against 35,176,000 barrels in January; end of month stocks were 85,018,000 barels of finished and 5,017,000 barrels of unfinished gasoline against the January totals of 79,114,000 barrels of finished and 4,951,000 barrels of unfinished. The position of the Gulf export market was unchanged last week with all grades quoted at 4¾c. per gallon except the 64-644, 375 e.p. which was named on a range of 4¾c. to 4⅞c. per gallon.

Kerosene.—The local refinery market was quiet and prices were not very firm. The posted position of the market here was 5¾c. per gallon for tankcars of the 41-43 water white material. The position of the Gulf export market was lower with prime white named at 4c. per gallon and water white at 4⅛c. per gallon, both off ½c. per gallon. February production of kerosene was reported by the Bureau of Mines at 5,167,000 barrels against 5,638,000 barrels in January; domestic demands were 5,017,000 barrels against 5,360,000 barrels in January, and end-of-month stocks were 5,986,000 barrels against 6,523,000 barrels in January.

Fuel and Gas Oils.—Fuel oils were very slow and the markets were reported as having been weak. Stocks of residual fuel oil were increased further during the week ended April 23, totaling 105,991,000 barrels against 105,313,000 barrels during the preceding week, according to the American Petroleum Institute. The stocks at this time a year ago were only 94,429,000 barrels. Stocks of gas oil and distillates were 21,157,000 barrels April 23, against 20,633,000 barrels in the preceding week and 16,850,000 barrels at this time last year.

Lubricating Oils.—The Pennsylvania oils continued in a soft position albeit there were no open changes made as in the case of a week ago. There was very little export interest in the market, but some improvement was reported on behalf of the domestic accounts. So far, the big companies have not been identified with the purchasing in the current low market. The Bureau of Mines report for February showed production of 2,468,000 barrels against 2,785,000 barrels in January; domestic demands were 1,311,000 barrels against 1,471,000 barrels in January; end-of-month stocks were 8,363,000 barrels against 8,006,000 barrels in January.

Markets at Other Centers

Tulsa, Apr. 28.—Seasonal increase in gasoline consumption failed to be reflected in the activity of the spot market in the Midcontinent field. The volume of business was limited although shipments continued at a slightly higher volume. Most of the material moving from the refineries was against contract. Prices continued unchanged. The month ended with fewer changes in prices not only in gasoline but in other products than is customary for April. The maintenance of crude prices made possible by further contraction in well production is proving a factor of stability in the refined oil markets together with additional slight curtailment in refinery throughout. None of the refiners is pushing material on the market. Offerings are being restricted to current quotations and with the exception of lubricants and distillates concessions in prices are unobtainable.

GASOLINE.—U. S. motor continued at 4¼c. per gallon; 63-66 octane, 4⅜c. per gallon; 67-69 octane, 4⅝c. per gallon; house-brand 70-72, 4⅞c.; leaded was 5⅛c. per gallon.

KEROSENE.—41-43, 4c. to 4⅜c. and 42-44, 4⅛c. to 4½c. per gallon.

NATURAL GASOLINE. — 26-70, unchanged at 2½c. per gallon in Oklahoma

Outputs and Quotas

A comparison of Bureau of Mines calculations for April production, State allowable quotas where they exist and the American Petroleum Institute's estimate of crude production for the week ended April 23 follows:—

	B. of M. Dept. of Int. calculations.	State allowable.	Estimated output.
Oklahoma ..	526,500	475,000	499,400
Kansas	173,000	173,000	181,900
Texas	1,329,800	*1,546,183	1,339,550
Louisiana ..	239,800	252,275	262,500
Arkansas ...	40,000	.....	53,700
Eastern	132,600	.....	149,550
Michigan ...	51,400	.....	51,050
Wyoming ...	46,600	.....	50,100
Montana ...	12,700	.....	13,100
Colorado ...	4,600	.....	4,400
New Mexico.	106,000	103,000	105,950
California ..	698,700	†698,700	728,900
Totals.....	3,361,700	.....	3,385,400

* Original April allowable of 1,510,337 barrels revised as indicated, effective April 18. Sunday shut-downs continued as previously.
† Recommendation of Central Committee of California Oil producers.

The State of the Petroleum Market

There were no changes in the price of crude oil last week. Gasoline at the refineries was also unchanged.

	Apr. 30	Apr. 22	Last Year
Crude petroleum prices at well (average for ten fields) per barrel	$1.305	$1.305	$1.376
Gasoline prices at refineries (at four refining centers) per gallon	.048125	.048125	.054375

Current prices on petroleum and its products are given in the alphabetical list of prices beginning on page 7

SHERWOOD'S PETROLATUMS
GUARANTEED QUALITY — ALL GRADES
SHERWOOD PETROLEUM COMPANY, INC.
REFINERY — WARREN, PA. MAIN OFFICE — BUSH TERMINAL, BROOKLYN, N. Y.

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Petroleum Production—Motor Fuel Stocks

	Barrels	
	1938 Jan. 1-Apr. 30	1937 Jan. 1-Apr. 30
Commercial crude oil production	405,488,000	396,527,000
	Week ended Apr. 30, 1938	Week ended May 1, 1937
Daily average production	3,421,900	3,485,600
	Week ended Apr. 23, 1938	Week ended Apr. 16, 1938
Estimated motor fuel stock total	91,479,000	92,001,000
Estimated finished motor fuel stock at refineries	58,843,000	59,864,000

and 2⅝c. in Texas with 18 pound selling at 3c. in Oklahoma and 3⅛c. in Texas.

DISTILLATES.—The 38-40 prime white generally quoted at 3¾c. to 3⅞c. per gallon; 36-38 grade, 3⅝c. per gallon; 32-36 gas oils, 3¼c. to 3⅜c. per gallon.

FUEL OILS.—The 24-28 was $1.05 a barrel for low cold test while the high cold test is 87½c. to 90c. per barrel. The residuals are quoted from 50c. to 65c. per barrel.

LUBRICANTS.—Shading of quotations continued although no change has been made in posted prices. These concessions are said to be from one half to one cent per gallon on the bright stocks.

Chicago, Apr. 28.—Seasonally expanded demand for gasoline has been making itself felt in the trade recently, but there has been a large amount of irregularity in price nevertheless. Spotty offerings have been reported, especially from the southern edge of the Mid-Continent. Tank wagon and service station price cutting has shown no important change in volume. Tractor fuels have been subject to good demand, and this has aided kerosene. The light heating oils have been subject to good demand, and this has aided kerosene. The light heating oils have been much depressed, with lack of demand. Heavy fuel oils also are a decidedly weak item. Lubricating oils are marking time, with a good retail volume reported.

GASOLINE.—Low octane motor, 4⅜c. to 4⅝c. per gallon; 63-66, 4⅝c. to 4⅞c.; 67-69, 4⅞c. to 5⅛c.; 70-72 regular, 5¼c. to 5½c.; 60-62 gravity, 400, 4⅜c. to 4⅝c.; 64-66, 375, 4¾c. to 5c.; 68-70, 360, 5c. to 5¼c.

KEROSENE.—42-44, water white, 4⅜c. to 4⅝c. per gallon; 41-43, water white, 4⅛c. to 4⅜c.

FURNACE OILS.—No. 1 white, 3¾c. to 4c. per gallon; No. 1 straw, 3⅝c. to 3⅞c.; No. 2 straw, 3½c. to 3¾c.; No. 2 dark, 3¼c. to 3½c.; No. 3, 3¼c. to 3⅜c.; range oil, 3⅞c. to 4⅛c.; 32-36, dark, industrial gas oil, 2⅝c. to 2⅞c.

FUEL OILS.—No. 4, $1.05 to $1.10 per barrel; No. 5, 70c. to 80c.; No. 6, 60c. to 70c.

New Orleans, Apr. 26.—The domestic market hold its own during the past week, with quotations remainnig at a steady level. Foreign inquiries and exports were good. U. S. motor gasoline was quoted at 5¾c.; U. S. motor below 62 octane, 5¾c.; 63-67 octane at 6c.; and 68-70 octane at 6½c. per gallon, at refinery.

Kerosene remained unchanged at 7½c. per gallon at refinery.

Bunker C fuel oil was quoted at 80c. per barrel at terminal and 85c. per barrel delivered alongside. Industrial plants in this vicinity were quoted at $1.46 per barrel, delivered.

NEW USES FOR OLD KNIGHT GOWNS

IN days of old, the cry of distress was — "Succor, good knight!" Today, the cry is — "Am I a sucker, good night"!

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Unfortunately, there *is no* armor to protect a manufacturer *after* trouble begins. His only protection is to *avoid* trouble. That's why more and more manufacturers are tracing down the causes of gum formation, livering, and discoloration. Most of them have found the principal cause to be unstable naphthas. That's the reason why more and more paint manufacturers are placing their contracts with Shell. For Shell naphthas are stable, uniform and safe. Over 600 skilled scientists — in 9 strategically located laboratories — are constantly on guard to maintain these qualities. Over 1500 Bulk Depots from coast-to-coast are ready to give you instant service anywhere anytime.

SHELL SHELL NAPHTHAS

C.D.I.C. Production Club Addressed on Drying Oils

The Cincinnati, Dayton, Indianapolis and Columbus Paint and Varnish Production Club April meeting was held in the Columbia Club, with eighty-two members and guests present. The Indianapolis Paint, Varnish and Lacquer Association was the guest for the evening.

Paul Blackmore and Ray Swain gave a summary of the work they have done so far this year on the club's research paper, "A Study of Fluorescence Analysis and its Application to Paint Raw Materials." Dr. Alexander Schwarcman, of Spencer Kellogg & Sons Company spoke on the "Physical and Colloidal Chemistry of Drying Oils"—giving also information on manufacturing processes and methods of analysis.

Application for membership was received by the newly organized paint company, M. F. Moran Paint Company of Dayton, Ohio. W. I. Longworth, president of the Lilly Varnish Company, gave a talk on the life and work of the late R. J. Munn. Jim Heckel of R. T. Vanderbilt and Paul Blackmore furnished a few scintillating musical numbers.

Obituaries

Frederick P. Kapper

Frederick P. Kapper, head of Frederick P. Kapper & Co., chemicals and dyes, Brooklyn, died April 26 in his home following a heart attack. He was forty-seven years of age.

Born in Brooklyn, Mr. Kapper was graduated from the Riverview Military Academy, Poughkeepsie, N. Y. He has been the head of the Kapper organization for twelve years. He was a thirty-second degree Mason. Surviving are his widow, his parents, a son, a daughter, and a brother, Williard.

Daniel Breck, president of the Breck Construction Corporation, St. Louis, and former president of the Tennessee Phosphate Company, Mount Pleasant, Tenn., died in St. Louis April 22. He was seventy-five years of age. Surviving are a wife and one daughter.

Rev. Edward H. Ford, honorary canon of the Episcopal Cathedral Church of St. John, Wilmington, and for many years director of the Blackpowder division of E. I. duPont de Nemours & Co., died in his home April 24 after a short illness. He was seventy-two years of age.

Walter Grimmer, a chemist with the International Harvester Company, Milwaukee, Wis., for twenty years, died April 25. He was sixty-six years of age.

Mrs. Oliver S. Orrick, wife of Oliver S. Orrick, vice president and general secretary of the General Paint Corporation, San Francisco, died recently in Medelin, Colombia, following the contraction of malaria while accompanying her husband on a business trip to South America. In addition to her husband, Mrs. Orrick is survived by a son.

Percy A. Robbins, president of the Arctic Circle Exploration, Inc., a company engaged in mining operations in Candle, Alaska, died April 24 in Chicago after a year's illness. He was sixty-four years old. Surviving are wife, three daughters, and two sons.

Charles W. Tingley, who retired some time ago as division manager for the Continental Oil Company, Pueblo, Colo., died in Palo Alto, Calif., April 4. He was seventy-five years of age. His widow and one daughter survive.

B. S. White, formerly with the Eagle Picher Lead Company, Cincinnati, for thirty years, died in a hospital in Hammond, Indiana, April 24. Mr. White started with the Eagle Picher organization in the laboratory, and subsequently became general superintendent. He resigned in 1930 to become affiliated with the Metals Refining Company, but has not been active for two years, having suffered a stroke at that time.

Everett Woodruff Wilson, former president and founder of the American Distilling Company, Pekin, Ill., died April 25 in his home in this city. He was seventy-six years old. Surviving are his wife and three sons.

Fertilizer Materials

Mixed Goods Fairly Active in Late Buying Movement—Replacement Business Light—Fish Import Tax Measure Deleted From Revenue Bill—Potash Materials Quiet

Late buying of mixed goods continued active through last week, but replacement purchasing of raw materials is light. Fertilizer producers are holding their orders for materials close to the tonnage they are able to move in the form of mixtures. Potash materials and sulphate of ammonia were still available in resale quarters and at resale prices. The sulphate position at the producing points has been tightening up again, and the market should work into a very firm position by the time that new business is to be booked, for there is likely to be very little carryover at the end of this season.

The featured event in the organic ammonia group last week was the news that the proposal to levy an import duty on foreign fish scrap and meal had been deleted from the revenue bill when that measure came out of committee last week. Buyers have not been giving the fish market much support lately and the Chesapeake Bay fishermen have not been able to sell any more futures at the price that had governed the bookings since trading opened a few weeks back.

Potash materials were very quiet. The resale offerings were not getting much of a play from the trade, and the fertilizer producers seemed to have enough material on hand to cover their needs over the balance of the season. Little spot buying had been expected by the sellers.

Price Changes

Prices were changed during the past week as follows:—

Advanced

Blood, dom., Chicago, 15c. per unit-ton.

Reduced

Blood, dom., N. Y., 5c. per unit-ton.
Castor pomace, dom., $1 per ton.
Fish meal, dom., Balto., $2 per ton.
Tankage, dom., Chicago, fert. grade, 20c. per unit-ton.
New York, ground, 10c. per unit-ton.

Comparative Values

Index numbers compiled from four typical fertilizer materials on August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
66.7	66.7	66.7	64.0

Market news that may have developed after this report was sent to press will be found on page 4.

Ammoniates

Nitrate of Soda.—The calls for deliveries against contracts were very spotty last week. Buyers were gauging their fill-in and replacement purchases close to the outgo of material from their own sheds. Sales of this material for the season to date were understood to be considerably behind last season, but it is probable that ordering will continue through May because of the tardiness of the current season. Prices continued in a firm position at the schedule that has been in force through the season.

Sulphate of Ammonia. — Spot buying was moderately active in certain sections. Several mills have again fallen behind on deliveries, but resale offerings seemed large enough to cover the spot shortages at some of the ovens. The dimensions of the resale market at this time are quite flexible, with the volume offered in second-hand sources varying from one day to the next. If the orders for mixed goods are light on one day, resale sulphate offerings are numerous, but if the mixed goods orders are heavy on another day, sulphate bargains have to be sought. Prices at resale vary from 25c. to $1 per ton under the market price of $29.50 per ton. There has been little resale material in the deep South; there are fairly constant offerings in the Charleston sector, while in Wilmington (N. C.) and Baltimore resale material is in and out of the market. Second-hand offerings in the North are light and are held at prices that are only slightly below the first-hand market. Domestic production in March was reported by the Bureau of Mines at 72,269,000 pounds or 36,134 tons, a gain of 9.7 percent over the February output of 32,959 tons. Ammonia liquor production in March, based on NH_3 content, was 3,735,000 pounds or 8.7 percent higher than the February production of 3,437,000 pounds. The production of sulphate during the first quarter of the year was 106,540 tons and the output of ammonia liquor in terms of its NH_3 content was 5,325 tons.

Dried Blood.—Higher crackling prices gave the market a stiffer appearance in Chicago and sales there were registered at $2.80 per unit, against a $2.65 market a week ago. In New York, however, there were offerings at $2.70 per unit for the light amount of material on hand. A week ago, the New York market was quoted at $2.75 per unit. Imported material was nominal around $3 per unit, a price established by the fact that European buyers were paying the shipper abroad the equivalent of that figure or higher.

Fish Scrap.—There is very little trading in Japanese sardine meal for shipment. The revenue bill came out of committee without the proposal of a $10 per ton duty but even this news did not stir any buying interest. Shipment prices were around $45 per ton, c.i.f., or perhaps $44.50 per ton on firm bids, but there were no buyers. Spot material prices varied with New York quoted at $44 per ton, Philadelphia $45 per ton and Baltimore a shadable $45 per ton. The Chesapeake Bay fishermen did not seem to be able to book any additional business in futures at $3 and 10c. per unit-ton, the season's opening price, and there were no trades reported during the week.

Nitrogenous Material. — Some imported material was reported sold for Summer shipment to Southern ports at $2.40 per unit last week. The $2.25 price reported in the market a fortnight ago was evidently lacking in support by material to sell.

Tankage.—Feeding grades were held in firm position by the rise in the price of cracklings but fertilizer grades were generally lower in price last week. Ground material in New York was quoted at $2.50 and 10c. per unit-ton last week, a reduction of 10c. from a week ago, and it was also reported that sales were made at the $2.50 and 10c. basis. Fertilizer grade in Chicago fell off to $2.45 and 10c. per unit-ton, a decline of 20c. from the position of the market a week ago.

Potashes

The re-sale offerings of potash materials were not believed to be large and as reported previously they are quite scattered. The spot demand is light and there are few orders reaching the first-hand sellers these days. Usually there is a pick-up of spot buying at this time of the season but the sellers expected very little this year.

Phosphates

The phosphate materials spent an idle week. There was very little buying interest shown and the sellers of materials were not pushing to move their stocks. Superphosphate sales were small. Rock deliveries were also light except in the export market where business has been quite good through this year to date.

Bone Materials. — There was very little buying interest and the recent reductions in prices did not stimulate any concern. Domestic 4½ and 50 raw bone at Atlantic ports was nominally quoted at $28.50 per ton with a possibility of doing $28 on a firm offer.

Superphosphate. — The Baltimore market held in a steady position at $8 per ton for run of pile and $8.50 per ton for guaranteed 16 percent material, f.o.b. cars or vessel. There has been very little activity in the market.

Sulphur and Pyrites

Deliveries to domestic accounts continued in light fashion. Acid manufacturers supplying the chemical process industries were not moving more than moderate amounts of material. Pricewise, the sulphur market continued even. According to a Department of Commerce report based upon estimates of the leading Italian interest, world deliveries of pyrites in 1937 totaled 6,205,032 metric tons against 5,346,319 in 1936. Italian production in 1937 was 907,779 metric tons. The aforementioned world totals include deliveries of Spanish pyrites of 2,292,760 tons in 1937 and 1,958,099 tons in 1936.

Markets at Other Centers

Atlanta, Apr. 28.—Fertilizer manufacturers in the South are busy shipping out mixed goods to farmers and are busy making up last minute orders and finding it difficult to get immediate deliveries of some of the materials. The peak of fertilizer movement in the lower South has passed, but the indications in the upper cotton belt are that the heaviest movement to the farm is yet ahead and that the delivery will run well up into May.

Late mixing is drawing most heavily on cottonseed meal, sulphate of ammonia and nitrate of soda.

The late planting season has not been able to pick up because of frequent rains.

Quotations of this market are as follows:—

SUPERPHOSPHATE.—$9.60 per ton, interior mills.

NITRATE OF SODA.—$27 per ton, bulk, port basis.

SULPHATE OF AMMONIA.—$29.50 per tonfi port basis.

COTTONSEED MEAL.—7 percent grade, $23.50, interior mills.

NITROGENOUS.—$2.20 per unit, future shipment, midwest; foreign, $2.40, port basis.

TANKAGE.—$2.75 and 10, basis Chicago.

BLOOD.—$2.60 to $2.65 per unit, Chicago basis.

BONE.—3 and 50 grade at $17 to $18 per ton, Chicago.

Baltimore, Apr. 28.—No change of consequence developed in the crude fertilizer material market here last week. Quotations on crudes were virtually unchanged. The current quotations were as follows:—

FISH SCRAP.—The last sale of Chesapeake menhaden scrap was made at $3 and 10c. per unit-ton down the bay. Fish meal is quoted at $50 per ton for spot in car lots. Japanese sardine meal at $44.50 per ton for spot in car lots and at $45 per ton for shipment.

TANKAGE.—$2.50 and 10c. per unit-ton for unground and $2.70 and 10c. per unit-ton for ground feeding grade.

BLOOD.—$2.75 per unit-ton.

BONE.—$22 per ton for 1 and 60; $23 per ton for 3 and 50 ground steamed; $26 per ton for 5 and 40; and $30 per ton for 4½ and 50 ground raw.

Chicago, Apr. 28.—Buying continued along rather lethargic lines in the general fertilizer materials market. The general inclination has been for the trade to take limited materials, trusting that market values in the meantime will not show any such bulge as to make their policy an unprofitable one. Materials are available in fairly ample volume, and the general price structure has been quiet, with comparatively little change. Selling pressure is not particularly acute anywhere. Blood is in moderate demand. Tankage is slow. Bone materials show little interest.

BLOOD.—Principal grade, $2.75 to $3 per unit of ammonia.

TANKAGE.—High grade, ground, $2.50 to $2.75 and 10c.; low grade, $15 to $16; hoof meal, $2.75 to $3; liquid stick, $2 to $2.25.

BONE MATERIALS.—Ground, steamed bone, 1¼ and 60 percent, $16 to $18; 3 and 50 percent, $17 to $19; 4½ and 50 percent, $26 to $27; grinding hoofs, pigs' toes and waste horn materials, $32.50 to $37.50, mostly nominal; pork cracklings, soft pressed, $40 to $45; beef cracklings, soft pressed, $30 to $35; hard pressed cracklings, per unit of protein, 52½c. to 55c.

San Francisco, Apr. 26.—This market continues to show up in an uneventful fashion. Seasonal spreading operations are still in full swing, but business on the whole is light insofar as the primary trade is concerned. Contracts are being taken up fairly well, considering the state as a whole. Only here and there are there indications that material will be turned back. As a matter of fact, the trade is finding occasional fill-in orders, but these are not of much consequence. Sellers aren't finding this period quite up to their hopes of last fall, but on the whole, conditions aren't what might have been expected a few weeks ago, at the time of the floods.

Ruling prices were:—

SULPHATE OF AMMONIA.—Quoted in 100-pound bags, at $31.50 per ton, port basis, San Francisco and/or Los Angeles harbor. Inland points, delivered, $1 per ton extra.

NITRATE OF SODA.—100-pound bags, $29 per ton; 200-pound bags, $28.30 per ton, both ex-vessel San Francisco/Oakland.

SUPERPHOSPHATE.—Domestic, 75c. to 80c. per unit in bulk, f.o.b. producer's plant, San Francisco Bay. Bags, 80c. to 85c. per unit. Foreign material nominal.

AMMONIA PHOSPHATE.—Quoted at $42 per ton, single bags, f.o.b. cars, San Francisco, basis 16 percent N., 20 percent P. A. Inland points, delivered, $1 per ton extra.

FISH MEAL.—California sardine meal is quiet. Quoted on the basis of $47 to $48 per ton, f.o.b. cars, San Francisco/Monterey and $45 per ton, Los Angeles. Japanese meal reported offered here on the basis of $42.50 to $45 per ton, c.i.f. Pacific Coast ports.

TANKAGE. — Domestic ground, high grade, quoted nominally on the basis of $2.90 to $3 and 10c. per unit-ton, f.o.b. cars, Los Angeles. Lower grades, unground, quoted at $2.60 and 10c. Dry rendered, ground, quoted at $32.50 to $35 per ton, f.o.b. cars, Los Angeles. Unground, dry rendered, quoted at 55c. per unit.

BLOOD MEAL.—Domestic, $2.80 per unit, f.o.b. cars, Los Angeles, with indications that sellers might accept bids at slightly lower.

Current prices on fertilizer materials are given in the alphabetical list of prices beginning on page 7

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Textile Foundation Sponsors Research

At a meeting of the Board of Directors of the Textile Foundation held in Washington last week, it was decided to concentrate the future work in scientific research on studies of those fundamental problems which are basic to the entire industry. To this end, allotments of funds have been made on a long-time basis and a group of advisers has been appointed to plan and establish the scientific research program. Dr. R. E. Rose, of E. I. duPont de Nemours & Co., Wilmington, Delaware, is chairman; the members are Mr. Harold DeWitt Smith of A. M. Tenney Associates, New York; Mr. Alban Eavenson, Eavenson & Levering, Philadelphia; Dr. H. S. Taylor of Princeton University; Dr. Warren E. Emley, National Bureau of Standards, and Dr. A. G. Black of the Department of Agriculture.

A large part of this work will be done at the National Bureau of Standards, but certain fields have been set aside for Lowell Textile Institute, Massachusetts Institute of Technology and Yale University.

The Textile Foundation was created by act of congress, and its purpose is for economic and scientific research for the benefit of the textile industries. The members of the board of directors are Frank W. Hobbs, Boston; Frank D. Cheney, Manchester, Conn.; Stuart W. Cramer, Cramerton, N. C., the Secretary of Commerce and the Secretary of Agriculture.

Prof. J. F. Dodge Appointed To Naval Petroleum Board

John F. Dodge, professor of petroleum engineering at the University of Southern California, has been appointed a member of the U. S. Naval Petroleum Reserve Administration. He will advise with officials in engineering and operation problems of the navy's holdings in Elk Hills and reserves in Kern county. Professor Dodge was recently appointed lieutenant commander in the U. S. Naval Reserve.

Polish Oil Refiners Here To Study U. S. Methdos

Professor Stanislaw Pilat, head of the Polish State Oil Refinery, Polmin, accompanied by four other officials, arrived in New York April 17. The party plans to study recent developments in gas and oil production and refining, visiting Illinois, Texas, and possibly California. The group will return to this city to sail for Poland May 17.

Foreign Trade Rules

—Continued from page 4

Pharmaceutical Specialties. — Nicaragua requires a registration fee for imported patent medicines increasing the amount from 10 to 20 cordobas, and for pharmaceutical specialties from 5 to 10 cordobas. The annual license fee was also increased on both types of imported products from 5 to 10 cordobas. The fees for domestic products are half of those applicable to the corresponding foreign products. Fees for the registration and inspection of commercial firms and laboratories handling pharmaceutical products are also double.

Samples:—Cuba has issued instructions permitting the duty-free entry of commercial samples by agents upon the deposit of the amount of the duty as a guarantee for their re-exportation, provided that there is affixed to each sample, a fine-wire and lead seal of identification, which should be closed by the official sealings devise of the customs house.

Soap:—A Dominican Republic decree provides that the refund of one-half of the import-consumption tax, granted on raw materials imported by manufacturers will no longer apply to raw materials imported for the manufacture of soap.

Soaps: — Imports of soaps into Japan have been severally restricted under the existing import license system, but are not prohibited. The luxury tariff rate does not apply if certificate of origin is attached.

Soda Nitrate: — The quota of crude soda nitrate which may be imported duty free into Italy during 1938 was increased by 30,000 metric tons.

Soybean: — The United Kingdom has amended the existing drawback provision for soybeans used in the manufacture of soybean flour.

Tetraethyl Lead.—A Polish ordinance provides for the licensing of production and distribution of tetraethyl lead and liquid fuels containing it and include detailed regulations applying to the manufacture, composition, sale and use of these commodities. The previous prohibition of sale in Poland of liquid fuels containing lead compounds has been removed simultaneously.

Tootbrushes: — Greece has increased the minimum duty on toothbrushes from 500 to 600 metallic drachmas per 100 kilos.

Shipping Information

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Imports at U.S. Ports

New York Imports

ACID, NAPHTHENIC—5 dms, 2,607 lbs, Excello, Constanza
PEANUT OIL (Correction)—In the previous issue J D Irwin & Co was credited with 1,188 dms, S S Spaarndam, Rotterdam; should have read cod oil
AGAR AGAR—37 bls, T M Duche & Sons, Arimasan, Kobe
55 bls, Mitsui & Co, Arimasan, Kobe
20 bls, Wood & Selick, Kiyokawa, Kobe
5 bls, Peek & Velsor, Kiyokawa, Kobe
ALBUMEN, BLOOD—18 cks, 9,136 lbs, Morningstar-Nicol, Hamburg, Hamburg
ALOE—50 cs, Amazone, Curacao
ALTHEA ROOT—12 bgs, 2,409 lbs, Excello, Leghorn
ALUMINUM LEAF—56 cs, F P Gaskell Co, Bremen, Bremen
261 cs, Globe Shipping Co, Columbia, Bremen
AMMONIA, SULPHOCYANIDE — 40 kgs, 3 tons, 4 cwt, 1 lb, American Cyanamid & Chem Co, Scythia, Liverpool
ANGELICA ROOT — 6 cs, W & A Gilbey, American Merchant, London
1 cs, Park & Tilford, Aquitania, Southampton
ANISE—40 bgs, 4,470 lbs, Peek & Velsor, Excambion, Marseilles
ANTIMONY ORE — 740 bgs, Philipp Bros, Santa Clara, Arica
249 bgs, W R Grace & Co, Santa Clara, San Antonio
686 bgs, Philipp Bros, Santa Clara, Antofagasta
ARECA NUTS—100 bgs, Kota Baroe, Padang
ARROWROOT — 400 bbls, Morningstar-Nicol, Nerissa, St Vincent
ARTISTS' MATERIAL—3 cs, Winsor & Newton, Port Wyndham, London
ASBESTOS—18 bgs, American Merchant, London
20 bgs, Walker & Forbes, American Merchant, London
2,280 bgs, Johns-Manville Corp, Atlantic, Capetown
ASPHALT—182 bgs, Yucatan, Havana
915 tons, Managui, Trinidad
BABASSU KERNELS—1,000 bgs, General Food Corp, Cape Corso, Parnahyba
2,000 bgs, General Food Corp, Cape Corso, Maranham
BALSAM—28 cs, 2,800 lbs, Cape Corso, Para
BARK, MEDICINAL—25 bgs, 2,750 lbs, R D Heins, Hamburg, Hamburg
BERRIES, MEDICINAL—13 bgs, 1,414 lbs, J L Hopkins & Co, Hamburg, Hamburg
BISMUTH — 250 cs, Cerro de Pasco Copper Corp, Santa Clara, Callao
BONE MEAL—167 bgs, Bank of Athens, Excambion, Piraeus
BRISTLES—4 cs, Globe Shipping Co, Hamburg, Hamburg
52 cs, S Hirshenhorn & Son, Kinka, Tientsin
1 cs, H Rosenhirsch Co, Kinka, Kobe
66 cs, F H Cone & Co, Kinka, Tientsin
7 cs, F H Cone & Co, Kiyokawa, Kobe
BRONZE POWDER—44 cs, J T Coates, Bremen, Bremen
3 cs, Heemsoth-Kerner Corp, Hamburg, Hamburg
7 cs, 5 dms, R F Downing & Co, Columbus, Bremen
CAMPHOR, REFINED—12 cs, Iwai & Co, Kinka, Kobe
CASSIA BARK — 1 cs, Park & Tilford, Aquitania, Southampton
VERA—105 pkgs, J F Frank, Penrith Castle, Padang
CASTOR BEANS — 1,560 bgs, Lenape Trading Co, Cape Corso, Fortaleza
3,137 bgs, Cape Corso, Camocin
250 bgs, Martinique, Gonalves
CHALK, BLOCK — 500 tons, Kidder, Peabody & Co, Port Wyndham, London
COMMON — 1,600 bgs, R L Watkins Co, Port Wyndham, London
PRECIPITATED — 125 bgs, 10 bbls, H J Baker & Bros, Scythia, Liverpool
CHAMOIS SKINS — 1 cs, J E Bernard & Co, President Roosevelt, Antwerp
CHEMICALS — 1 ck, Stanley Doggett, Bremen, Bremen
4 cs, Bremen, Bremen
6 cs, G F Doherty, President Roosevelt, Antwerp
7 cs, Lo Curto & Funk, President Roosevelt, Antwerp
10 cs, Hamburg, Hamburg
100 dms, 11,990 lbs, American Cyanamid & Chem Co, Hamburg, Hamburg
1 cs, 1 ck, Wedemann, Godknecht & Lally, Hamburg, Hamburg
30 cks, Innis, Speiden & Co, Hamburg, Hamburg
10 carboys, 11 cs, Hamburg, Hamburg
1 cs, Eimer & Amend, Hamburg, Hamburg
5 cs, Burroughs-Wellcome & Co, American Merchant, London
4 cs, Senefelder, Vasaland, Hamburg
3 cs, Akatos, Inc, Vasaland, Hamburg
4 cs, Lo Curto & Funk, Queen Mary, Havre
15 dms, 200 bgs, Advance Solvents & Chem Co, Pennland, Antwerp
5 cs, Pfaltz & Bauer, Columbus, Bremen
1 cs, Merck & Co, Columbus, Bremen
81 cks, Columbus, Bremen
100 cks, E M Sergeant Pulp & Chem Co, Columbus, Bremen
46 cks, Jungmann & Co, Black Gull, Rotterdam
60 cks, C Hardy, Excambion, Genoa
CHILLIES—15 bgs, Port Wyndham, London
CHINA CLAY — 30 kgs, A Gusmer, American Merchant, London
160 bgs, English China Clay Sales Corp, Scythia, Liverpool
CHROME METAL — 50 dms, Driver-Harris Co, American Shipper, Manchester
ORE—1,500 tons, E J Lavino & Co, Atlantic, Beira
CLOVES—780 bls, Norwegian-American Line, Port Wyndham, London
2,333 bgs, Sembilan, Tamatave
250 bls, Atlantic, Zanzibar
COALTAR INTERMEDIATES — 3 cs, Ciba Co, Bremen, Bremen
1 dm, Sandoz Chem Works, Bremen, Bremen
1 cs, General Dyestuff Corp, Hamburg, Hamburg
5 cks, General Aniline Works, Hamburg, Hamburg
4 cks, General Dyestuff Corp, Columbus, Bremen
COBALT SULPHATE — 100 cks, Pennland, Antwerp
COCOA BEANS—280 bgs, W R Grace & Co, Cape Corso, Itacoatiara
103 bgs, Schutte & Focke, Martinique, Jeremie
123 bgs, Martinique, Jeremie
COCOA BEANS—1,000 bgs, W R Grace & Co, Western World, Port Prince
300 bgs, Middleton & Co, Western World, Port Prince
800 bgs, Western World, Port Prince
93 bgs, Struller & Wood, Amazone, Curacao
350 bgs, Machado & Co, Santa Paula, La Guaira
119 bgs, Transmarine Merc Corp, Santa Paula, Cape Haitien
900 bgs, Nerissa, Trinidad
1,000 bgs, Wessel, Kulenkampf & Co, Borinquen, Trujillo
1,500 bgs, W R Grace & Co, Santa Clara, Guayaquil
92 bgs, Santa Clara, Guayaquil
200 bgs, O Gerdau Co, Antigua, Cristobal
7,689 bgs, W & A Leaman, Black Gull, Rotterdam
COCONUTS—50 bgs, 5,000 lbs, Ramon Bros, Borinquen, San Juan
400 bgs, 40,000 lbs, I L Toledano Corp, Ancon, Cristobal
400 bgs, 40,000 lbs, General Foods Corp, Antigua, Cristobal
1,496 bgs, 149,600 lbs, General Foods Corp, Antigua, Kingston
200 bgs, 20,000 lbs, Antigua, Kingston
COCONUT, DESIC—1,800 cs, Dodwell & Co, Penrith Castle, Manila
COLORS—17 cks, Fulton Dye & Import Co, President Roosevelt, Hamburg
COPAIBA BALSAM—56 cs, 5,600 lbs, Cape Corso, Manaos
6 cs, 600 lbs, C E Griffin & Co, Ancon, Cristobal
4 dms, Dodge & Olcott Co, Ancon, Cristobal
10 cs, 1,000 lbs, Geo Uhe Co, Ancon, Cristobal
CORIANDER SEED—3 bgs, W & A Gilbey, American Merchant, London
7 bgs, Park & Tilford, Aquitania, Southampton
CORK FLOATS—160 pkgs, Kramer & Hauser, Belvedere, Algiers
WASTE—500 bls, H Suhl, Belvedere, Algiers
1,488 bls, Excello, Genoa
WOOD—3 bls, H Suhl, Belvedere, Algiers
239 bls, Wicander & Co, Belvedere, Algiers
CORN SILK—65 bls, J L Hopkins & Co, Ida, Trieste
COTTON LINTERS—101 bls, British Cotton Growing Assn, Nerissa, St Kitts
CUBEBS—16 bgs, Penrith Castle, Singapore
CUTTLEFISH BONES—706 cs, Ida, Sfax
DRAGONS BLOOD—27 cs, Bank of Manhattan, Penrith Castle, Singapore
DRUGS, CRUDE—70 cs, Chase National Bank, American Merchant, London
DUTCH METAL—1 cs, B F Drakenfeld & Co, Bremen, Bremen
DYES, ALIZARIN—17 cks, General Dyestuff Corp, Bremen, Bremen
2 cks, General Dyestuff Corp, Columbus, Bremen
ANILIN—65 cks, Ciba Co, Bremen, Bremen
9 cks, Geigy Co, Bremen, Bremen
9 dms, 2 cks, Sandoz Chem Works, Bremen, Bremen
7 cks, 1 cs, General Dyestuff Corp, Bremen, Bremen
14 cks, 1 pkg, General Dyestuff Corp, Hamburg, Hamburg
12 cks, 1 cs, General Dyestuff Corp, Columbus, Bremen
2 dms, Sandoz Chem Works, Columbus, Bremen
EMERY—120,000 kilos, E J Lavino & Co, Ida, Trieste
ERYTHRINA SEED — 7 dms, Merck & Co, Western World, Port Prince
FAT, SOYBEAN—5 bbls, W R Keating & Co, President Roosevelt, Hamburg
FERTILIZER—696 bgs, Black Gull, Antwerp
FILTER, MASS—1 cs, Aug Giese & Son, Hamburg, Hamburg
PAPER—12 cs, 3,938 lbs, Hamburg, Hamburg
9 cs, H Reeve Angel & Co, American Merchant, London
1 cs, J J Murphy & Co, American Merchant, London
14 bls, Rohner Gehrig Co, Queen Mary, Southampton
96 cs, J Manheimer, Queen Mary, Southampton
FLAXSEED—4,415,000 kilos, 179,000 bus, Archer Daniels Midland Co, Segundo, Rosario
FLEASEED—20 bgs, 4,400 lbs, J L Hopkins & Co, Excambion, Marseilles
66 bgs, 13,310 lbs, Excambion, Marseilles
FLOWERS, WATER—4 dms, 25 demj, Roure Dupont, Excambion, Marseilles
2 demj, 3 cs, A Chiris Co, Excambion, Marseilles
6 dms, Lo Curto & Funk, Excambion, Marseilles
FULLER'S EARTH — 20 bgs, Ironized Yeast Co, Columbus, Bremen
GAMBIER—140 bgs, E E Androvette, Penrith Castle, Singapore
55 cs, Foylebank, Singapore
GELATIN—150 cs, Dingelstedt & Co, Hamburg, Hamburg
17 bgs, T M Duche & Sons, American Shipper, Manchester
8 cks, T M Duche & Sons, Pennland, Antwerp
SHEET—5 cs, Kliegl Bros, Bremen, Bremen
GINGERIN—3 cs, Orbis Product Corp, American Merchant, London
GINGER ROOT—59 bgs, Scythia, Liverpool
GLASS, PLATE—15 cs, Globe Shipping Co, Hamburg, Hamburg
2 cs, General Motor Corp, Scythia, Liverpool
WINDOW—1,078 cs, Vitrea Co, President Roosevelt, Hamburg
1 cs, Globe Shipping Co, Hamburg, Hamburg
22 cs, Leo Popper & Sons, Scythia, Liverpool
7 cs, Semon, Bache & Co, Black Gull, Antwerp
145 cs, Banque Belge pour l'Etranger, Black Gull, Antwerp
GLUESTOCK—185 bls, Damstadt, Scott & Curtmeir, Ida, Trieste
1,232 bgs, American Express Co, American Shipper, Liverpool
GLUE, BONE—50 bgs, 5,489 lbs, Hamburg, Hamburg
POWDERED—75 bgs, 25 cks, Rex & Reynolds, Excambion, Marseilles
GLYCERIN—49 dms, C J Schellings & Co, Seatrain New Orleans, Havana
1 car, Colgate-Palmolive-Peet Co, Seatrain New Orleans, Havana
GRAPHITE—1,025 bgs, Kota Baroe, Tamatave
GUM BENZOIN—100 cs, National City Bank, Foylebank, Belawan Deli
COPAL—113 bskts, 178 bgs, O G Innes Corp, Kota Baroe, Batavia
34 bskts, 23 bgs, Chase Natl Bank, Kota Baroe, Batavia
GUM COPAL—196 bgs, 66 bskts, O G Innes Corp, Sembilan, Macassar
65 bskts, W H Scheel, Sembilan, Macassar
DAMMAR—3 cs, Gillespie-Rogers Pyatt Co, Kota Baroe, Singapore
50 cs, France, Campbell & Darling, Penrith Castle, Singapore
420 bgs, 50 cs, O G Innes Corp, Penrith Castle, Singapore
70 bgs, France, Campbell & Darling, Foylebank, Singapore
100 cs, Gillespie-Rogers-Pyatt Co, Sembilan, Batavia
100 cs, Manufacturers Trust Co, Sembilan, Batavia
112 cs, Sembilan, Batavia
100 cs, O G Innes Corp, Sembilan, Padang
50 cs, Gillespie-Rogers-Pyatt Co, Sembilan, Singapore
210 bgs, Stroock & Wittenberg, Sembilan, Singapore
GAMBOGE—5 cs, Foylebank, Singapore
LOCUST BEAN—25 bgs, Paul A Dunkel & Co, Conte di Savoia, Genoa
40 bgs, Conte di Savoia, Genoa
20 bgs, T M Duche & Sons, Excambion, Genoa
30 bgs, Excambion, Genoa
MASTIC—15 cs, Ionian Bank, Excambion, Piraeus
PERILLA—40 bls, Chicle Development Co, Antigua, Cristobal
TRAGACANTH — 14 bgs, Chase National Bank, President Roosevelt, Hamburg
GYPSUM—5 cks, A Gusmer, American Merchant, London
CRUDE—3,750 tons, U S Gypsum Corp, Gypsum King, Windsor
HERBS, MEDICINAL—7 bls, S B Penick & Co, Ida, Trieste
43 bls, New York Trust Co, President Roosevelt, Hamburg
2 bls, 286 lbs, J L Hopkins & Co, Hamburg, Hamburg
10 bls, 2,321 lbs, Intercontinental Forwarding Co, Hamburg, Hamburg
10 bls, 1,100 lbs, S B Penick & Co, Black Gull, Antwerp
35 bls, 4,246 lbs, Peek & Velsor, Black Gull, Antwerp
HOPS—12 bls, Carl Ullmann & Co, President Roosevelt, Hamburg
15 bls, A Gusmer, President Roosevelt, Hamburg
3 bls, American Express Co, President Roosevelt, Hamburg
65 bls, Bode & Voigt, Hamburg, Hamburg
54 bls, Atlantic Forwarding Co, Hamburg, Hamburg
IPECAC ROOT—6 bgs, C E Griffin & Co, Ancon, Cristobal
IRON OXIDE—13 cks, J A McNulty, American Shipper, Manchester
12 cks, J H Rhodes & Co, Scythia, Liverpool
ISINGLASS—5 cs, Port Wyndham, London
20 cs, American Merchant, London
JALAP ROOT—36 bls, Yucatan, Vera Cruz
JUNIPER BERRIES—100 bgs, 13,200 lbs, Fernwood, Leghorn
9 bgs, W & A Gilbey, American Merchant, London
50 bgs, 6,600 lbs, Excello, Leghorn
8 bgs, Park & Tilford, Aquitania, Southampton
LARKSPUR SEED—5 bgs, 895 lbs, J L Hopkins & Co, Excambion, Marseilles
LAUREL BERRIES—1 bg, J L Hopkins & Co, Ida, Trieste
LIME JUICE—3 cks, American Lime Corp, Nerissa, Dominica
10 hhd, T A Hedley, Nerissa, Dominica
MACE—16 cs, J F Frank, Penrith Castle, Padang
28 cs, Catz American Co, Sembilan, Macassar
10 cs, Royal Bank of Canada, Nerissa, Grenada
MAGNESIA, CARBONATE—3 bgs, Woodstock Rubber Co, Arimasan, Kobe
CHLORIDE—15 cs, American Trading Co, Black Gull, Rotterdam
HYDRATE—30 cs, 1 ton, 10 cwt, 3 qtrs, 21 lbs, Schofield-Donald Co, Scythia, Liverpool
MENTHOL—917 cs, Norwegian American Line, Port Wyndham, London
MICA—917 cs, Norwegian American Line, Port Wyndham, London
MILLET SEED — 21 bgs, Levy & Levis Co, President Roosevelt, Hamburg
MOLASSES — 2,095 bbls, American Molasses Co, Helle, Barbados
350,000 kilos, W R Grace & Co, Santa Clara, Supe
MUSTARD SEED — 500 bgs, Port Wyndham, London
632 bgs, R T French Co, Kuyokawa, Tientsin
NETTLE LEAVES—2 bls, J L Hopkins & Co, Hamburg, Hamburg
NUTMEGS—30 bgs, Royal Bank of Canada, Nerissa, Grenada
150 bgs, Nerissa, Grenada
OCHER—52 cks, 1,320 bgs, Reichard Coulston, Excambion, Marseilles
9 cks, 692 bgs, C K Williams & Co, Excambion, Marseilles
OIL, ALMOND — 25 cs, 10 dms, Excambion, Marseilles
CAMPHOR — 25 dms, Mitsui & Co, Arimasan, Yokohama
15 dms, Orbis Product Corp, Kinka, Yokohama
25 dms, Mitsui & Co, Azumasan, Yokohama
CHINAWOOD — 280 tons, B T Rocco & Adolph Schuman, Foylebank, Shanghai
99 tons, Foylebank, Shanghai
600 tons, Spencer Kellogg & Sons, Foylebank, Hongkong
55 tons, Bank of California, Foylebank, Hongkong
350 tons, New York Trust Co, Foylebank, Hongkong
60 tons, Foylebank, Hongkong
CINNAMON LEAF — 20 dms, R C Treatt & Co, American Merchant, London
10 dms, E de Witt Osborn, Sembilan, Colombo
5 dms, Sembilan, Colombo
CITRONELLA — 12 dms, Penrith Castle, Batavia
12 dms, Stein, Hall & Co, Foylebank, Batavia
22 dms, Foylebank, Batavia
4 dms, Catz American Co, Sembilan, Batavia
32 dms, National City Bank, Sembilan, Batavia
18 dms, Sembilan, Batavia
11 dms, E de Witt Osborn, Sembilan, Colombo
11 dms, Sembilan, Colombo
CLOVE — 7 cks, Norwegian American Line, Port Wyndham, London
COCONUT — 965 tons, Philippine Refining Corp, Arimasan, Manila
OIL, COCONUT, 300 tons, Best Food, Inc, Penrith Castle, Cebu
290 tons, Kinka, Manila
555 tons, Philippine Refining Corp, Azumasan, Manila
COD—350 bbls, J D Irwin & Co, President Roosevelt, Hamburg
1,348 dms, J D Irwin & Co, Spaarndam, Rotterdam
CODLIVER—703 dms, C T Smith Co, President Roosevelt, Hamburg
298 dms, 350 bbls, J D Irwin & Co, President Roosevelt, Hamburg
CORN—52 dms, American Shipper, Belfast
100 dms, Penniand, Antwerp
74,999 kilos, Corn Product Refining Co, Black Gull, Rotterdam
COTTONSEED—530 dms, Cape Corso, Pernambuco
ESSENTIAL—2 cs, Bremen, Bremen
8 cs, Ida, Messina
2 cs, President Roosevelt, Antwerp
8 pkgs, President Roosevelt, Antwerp
8 cs, Hamburg, Hamburg
4 cs, Yardley & Co, American Merchant, London
8 cs, Queen Mary, Southampton
116 pkgs, Excambion, Marseilles
FISH LIVER — 150 dms, Vitamerica, Inc, Arimasan, Yokohama
83 dms, Vitamerica, Inc, Kinka, Yokohama
150 dms, Vitamerica, Inc, Azumasan, Yokohama
170 dms, Vitamerica, Inc, Kiyokawa, Yokohama
FUEL—67,501 bbls, Shell Union Oil Corp, Meton, Curacao
82,000 bbls, Standard Oil Co of N J, Norbis, Aruba
LAVENDER—2 dms, Tombarel Prod Corp, Excambion, Marseilles
LEMON—50 cs, Lo Curto & Funk, Nordkap, Messina
LIME—6 cs, Nerissa, Dominica
1 cs, F S Maynard & Son, Nerissa, Montserrat
LUBRICATING—10 dms, C C Wakefield & Co, Port Wyndham, London
20 bbls, Shell Union Oil Co, American Merchant, London
MINERAL—300 dms, 139,574 lbs, Heemsoth Kerner Corp, Hamburg, Hamburg
30 dms, Pennland, Antwerp
OITICICA—200 dms, Chase Natl Bank, Cape Corso, Fortaleza
60 dms, Cape Corso, Fortaleza
167 dms, American Bluegriesveen Co, Cape Corso, Arica
OLIVE—10 dms, George Metropoulos, Nordkap, Piraeus
256 pkgs, Nordkap, Palermo
2,460 cs, Nordkap, Seville
9 cs, Ida, Catania
61 cs, Ida, Bari
10 dms, Credit Commi Hellenic, Ida, Trieste
15 dms, Ionian Bank, Ida, Trieste
150 dms, 424 cs, Ida, Palermo
50 dms, Banco de Napoli Trust Co, Ida, Sousse
50 dms, Hellenic Bank Trust Co, Ida, Sousse
25 dms, Des Bros, Ida, Sousse
100 dms, Central Hanover Bank Trust Co, Ida, Sousse
270 dms, Ida, Sousse
50 dms, J H Schroeder Banking Corp, Ida, Algiers
50 dms, Ida, Algiers
390 dms, Ida, Sfax
275 dms, Public Natl Bank, Ida, Sfax
100 dms, Banco de Napoli Trust Co, Ida, Sfax
350 dms, Hellenic Bank Trust Co, Ida, Sfax
4,550 cs, Excambion, Genoa
25 dms, Banca Comi Italian Trust Co, Excambion, Genoa
25 cks, G Cuccia & Son, Excambion, Genoa
25 dms, A Corrao, Excambion, Genoa
25 dms, S Laraja, Excambion, Genoa
15 dms, Scaramelli & Co, Excambion, Genoa
25 dms, Sclafani, Inc, Excambion, Genoa
5 dms, Star of Italy Prod Co, Excambion, Genoa
20 dms, J L Sclafani, Excambion, Genoa
40 bbls, Uddo Taormina, Excambion, Genoa
210 cs, Excambion, Marseilles
15 dms, A Germano & Son, Excambion, Marseilles
50 dms, A Fiore & Co, Excambion, Marseilles
50 dms, R U Delapanna & Co, Excambion, Marseilles
75 dms, Atlantic & Pacific Tea Co, Excambion, Marseilles
50 dms, Excambion, Marseilles
200 dms, Strohmeyer & Arpe Co, Ida, Sfax
25 dms, Lekas & Drivas, Ida, Sfax
25 dms, Corn Exchange Bank Trust, Ida, Sfax
5 cks, American Shipping Co, Belvedere, Palermo
143 cs, 25 dms, Belvedere, Palermo
200 cs, Belvedere, Seville
4,175 cs, Fernwood, Leghorn
25 dms, Leghorn Trading Co, Fernwood, Leghorn
150 dms, Smith Weihman Co, Fernwood, Piraeus
25 cs, Fernwood, Piraeus
1,715 cs, Excello, Leghorn
545 cs, Conte di Savoia, Genoa
37 cs, Conte di Savoia, Naples
375 cs, Black Gull, Antwerp
15 dms, Demosthenes Costalos, Excambion, Piraeus
5 bbls, Stamates Ajintis, Excambion, Piraeus
75 dms, Venice Import Co, Excambion, Piraeus
100 dms, British French Discount Bank, Excambion, Piraeus
20 bbls, Lekas & Drivas, Excambion, Piraeus
645 cs, Excambion, Leghorn
10 dms, Latorraca Bros, Excambion, Leghorn
OLIVE, SULPHUR—289,901 kilos, Philadelphia National Bank, Ida, Sousse
ORANGE—4 dms, A Chiris Co, Excambion, Marseilles
PALM—351 tons, Van Leewen Boomkamp & Co, Kota Baroe, Belawan Deli
156 tons, Banque Belge pour l'Etranger, Kota Baroe, Belawan Deli
505 tons, Kota Baroe, Belawan Deli
Quantity, Banque Belge pour l'Etranger, Penrith Castle, Belawan Deli
1,234 tons, Van Leewan Boomkamp & Co, Sembelan, Belawan Deli
50 bbls, Black Gull, Antwerp
PATCHOULI — 1 dm, Guaranty Trust Co, Sembilan, Batavia
PEANUT—305 tons, Mitsubishi Shoji Kaisha, Kiyokawa, Dairen
RAPE—70 dms, I R Boody & Co, Kinka, Kobe
RICE BRAN — 100 dms, Mitsubishi Shoji Kaisha, Kinka, Osaka
SASSAFRAS—46 dms, Ungerer & Co, Kinka, Kobe
5 dms, Dodge & Olcott Co, Kiyokawa, Yokohama

OIL, SPERM—1 cs, General Aniline Works, Black Gull, Rotterdam
VEGETABLE—100 dms, W R Grace & Co, Kinka, Kobe
50 dms, W R Grace & Co, Kiyokawa, Kobe
VETIVER—10 kgs, Atlantic, Durban
ORANGE PEEL — 2 cs, W & A Gilbey, American Mercnant, London
ORRISROOT—1 cs, W & A Gilbey, American Merchant, London
PAPRIKA — 75 bgs, J Raphael & Son, President Roosevelt, Hamburg
50 bgs, Hamburg, Hamburg
PARAFFIN — 7,200 bgs, Asiatic Petroleum Corp, Kota Baroe, Balik Papan
5,040 bgs, Asiatic Petroleum Corp, Sembilan, Balik Papan
PATCHOULI LEAVES — 40 bls, Foylebank, Penang
2 bls, 556 lbs, J L Hopkins & Co, Excambion, Marseilles
PEATMOSS — 3,000 bls, 330 hlf bls, Vasaland, Hamburg
4,000 bls, 400 hlf bls, Columbus, Bremen
PELLITORY ROOT — 10 bgs, 880 lbs, J L Hopkins & Co, Excambion, Marseilles
PEPPER, BLACK — 150 bgs, Sembilan, Tandjong Priok
1,900 bgs, Kota Baroe, Oosthaven
729 bgs, Penrith Castle, Telok Betong
243 bgs, Penrith Castle, Oosthaven
750 bgs, Foylebank, Oosthaven
300 bgs, Kota Baroe, Oosthaven
252 bgs, Sembilan, Pangkal Pinang
162 bgs, Irving Trust Co, Sembilan, Kobe
243 bgs, Catz American Co, Sembilan, Tobolil
WHITE — 86 bgs, Catz American Co, Kota Baroe, Macassar
172 bgs, Catz American Co, Kota Baroe, Batavia
430 bgs, Penrith Castle, Batavia
168 bgs, Penrith Castle, Batavia
130 bgs, Com'l Nat'l Bank, Penrith Castle, Batavia
162 bgs, Sino Java Hvg, Penrith Castle, Batavia
88 bgs, Irving Trust Co, Foylebank, Batavia
33 bgs, Com'l Bank Trust Co, Sembilan, Batavia
260 bgs, Kiyokawa, Kobe
PERU BALSAM — 10 cs, Santa Clara, Cristobal
PETROLEUM, CRUDE — 91,540 bbls, Gulf Oil Corp, Gulfpenn, Las Piedras
169,097 bbls, Gulf Oil Corp, Gulfbird
PICHI LEAVES — 52 bls, 3,412 lbs, Helga, Talcahuano
POPPYSEED — 600 bgs, 66,000 lbs, Levy & Levis Co, President Roosevelt, Hamburg
200 bgs, 22,000 lbs, President Roosevelt, Hamburg
POTASH, SALT — 13 kgs, A Gusmer, American Merchant, London
PUMICE—5,535 bgs, J H Rhodes & Co, Excello, Canneto
PYRETHRUM FLOWERS—75 bls, R J Prentiss & Co, Arimasan, Kobe
20 bls, Ida, Trieste
15 bls, J L Hopkins & Co, Ida, Trieste
QUEBRACHO EXTRACT—638 bgs, International Product Corp, Western World, Buenos Aires
1,072 bgs, Tannin Corp, Western World, Buenos Aires
1,200 bgs, R J Vogel, Helgoland, Buenos Aires
QUINCE SEED—8 bls, 1,852 lbs, A D Isbetcherian, Excambion, Haifa
QUICKSILVER—60 flasks, Chase National Bank, Yucatan, Vera Cruz
RABBIT FUR WASTE—21 bls, Pennland, Antwerp
RAPESEED—893 bgs, Bunge North American Grain Co, Astri, Buenos Aires
ROOT, MEDICINAL—11 bls, National Carloading Co, Ida, Trieste
10 bgs, 1,100 lbs, Peek & Velsor, Hamburg, Hamburg
17 bls, 1,650 lbs, S B Penick & Co, Hamburg, Hamburg
15 bgs, 1,663 lbs, Hamburg, Hamburg
2 bgs, 228 lbs, J L Hopkins & Co, Hamburg, Hamburg
343 bgs, S B Penick & Co, American Merchant, London
20 bls, 2,200 lbs, F D Keller, Black Gull, Antwerp
21 bls, 2,327 lbs, Excambion, Marseilles
21 bbls, 4,862 lbs, S B Penick & Co, Excambion, Marseilles
ROSE LEAVES—2 bls, 352 lbs, J L Hopkins & Co, Excambion, Marseilles
25 bls, 2,750 lbs, Excambion, Marseilles
SAFROL—10 dms, Magnus, Mabee & Reynard, Arimasan, Kobe
5 dms, C Fischbeck Co, Kiyokawa, Kobe
SAGE LEAVES—28 bls, Ida, Trieste
SAGO FLOUR — 728 bgs, Penrith Castle, Singapore
5 bgs, W R Grace & Co, Foylebank, Singapore
SARDINE MEAL—2,000 bgs, Mitsubishi Shoji Kaisha, Kinka, Kobe
1,000 bgs, Wilbur Ellis Co, Kinka, Kobe
SEED, MEDICINAL—250 bgs, 5 bls, 22 cs, Pennland, Antwerp
SIENNA—21 bbls, 17,474 lbs, C B Chrystal & Co, Belvedere, Leghorn
SKIN WASTE—46 bls, Pennland, Antwerp
SOAP BARK—10 pkgs, 2,501 lbs, Peek & Velsor, Hamburg, Hamburg
SOAP—175 cs, Conti Product Co, Excambion, Leghorn
200 cs, J P Smith & Co, Excambion, Marseilles
BASE—50 cs, Yardley & Co, American Merchant, London
COMMON—100 cs, Public National Bank, Nordkap, Seville
MILLINGS—4 cs, Yardley & Co, American Merchant, London
SODA, HYDROSULPHITE—40 dms, 9,504 lbs, Hamburg, Hamburg
SILICOFLUORIDE — 80 bbls, 23,760 lbs, Hummel Chem Co, Hamburg, Hamburg
URANATE ORANGE—50 cks, Central Trading Corp, Pennland, Antwerp
URANATE YELLOW—50 cks, Central Trading Corp, Pennland, Antwerp
SPONGES — 12 bls, Schroeder & Tremayne, President Roosevelt, Antwerp
4 bbls, American Sponge & Chamois Co, Oriente, Havana
6 bls, Oriente, Havana
20 bls, Yucatan, Havana
34 bls, J E Bernard & Co, Yucatan, Havana

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SPONGES, REFUSE—17 bls, Oriente, Havana
19 bls, Yucatan, Havana
SQUILL—45 bgs, Ida, Bari
SUMAC—350 bgs, Ida, Palermo
TALC—150 bgs, L A Salomon & Bro, Excello, Genoa
2,250 bgs, Charles Mathieu, Excello, Genoa
200 bgs, Excambion, Leghorn
100 bgs, Whittaker, Clark & Daniels, Excambion, Marseilles
TAMARINDS—2 kgs, Nerissa, Dominica
5 bbls, 20 half bbls, Nerissa, Antigua
61 bbls, 2 half bbls, Nerissa, Montserrat
TANKAGE—1,000 bgs, Astri, Buenos Aires
4,064 bgs, Segundo, Santos
910 bgs, Segundo, Rosario
1,100 bgs, Helgoland, Buenos Aires
TANNING MATERIAL—1 ck, Geigy Co, Bremen, Bremen
TAPIOCA FLAKE — 210 bgs, Kota Baroe, Tandjong Priok
FLOUR — 1,070 bgs, Balfour, Guthrie & Co, Kota Baroe, Pamanoekan
550 bgs, Kota Baroe, Cheribon
18,303 bgs, Stein, Hall & Co, Kota Baroe, Sourabaya
986 bgs, Chase National Bank, Kota Baroe, Cheribon
2,280 bgs, Stein, Hall & Co, Kota Baroe, Cheribon
1,503 bgs, Stein, Hall & Co, Kota Baroe, Tjilatjap
1,055 bgs, Stein, Hall & Co, Kota Baroe, Batavia
1,250 bgs, Stein, Hall & Co, Foylebank, Batavia
2,205 bgs, Chase National Bank, Foylebank, Pasoeroean
250 bgs, Foylebank, Batavia
250 bgs, New York Trust Co, Kota Baroe, Sourabaya
250 bgs, American Cyanamid & Chem Co, Kota Baroe, Cheribon
1,531 bgs, Stein, Hall & Co, Sembilan, Sourabaya
TARTAR — 450 bgs, Charles Pfizer & Co, Ida, Bari
586 bgs, Ida, Naples
478 bgs, Charles Pfizer & Co, Ida, Algiers
109 bgs, Charles Pfizer & Co, Belvedere, Leghorn
170 bgs, Standard Brands, Fernwood, Naples
249 bgs, W R Grace & Co, Santa Clara, San Antonio
1,084 bgs, Standard Brands, Excambion, Marseilles
TIMBO ROOT, POWD — 350 cs, Cape Carso, Para
TONKA BEANS — 7 cks, Western World, Port Prince
9 cks, Machado & Co, Nerissa, Trinidad
TUBA ROOT — 62 bls, Penrith Castle, Singapore
UMBER BURNT—25 cks, Chase Natl Bank, Excambion, Alexandria
RAW—10 cks, Chase Natl Bank, Excambion, Alexandria
40 cks, National Safety Bank & Trust Co, Excambion, Alexandria
URANIUM OXIDE BLACK—100 dms, Central Trading Corp, Pennland, Antwerp
VALONIA—1,865 bgs, 223,520 lbs, Barkey Import Co, Nordkap, Izmir
EXTRACT—300 bgs, International Product Co, Excambion, Piraeus
VANILLA BEANS—88 cs, Rene Moelhausen, Nerissa, Guadeloupe
20 cs, Pan American Trust Co, Yucatan, Vera Cruz
153 cs, Yucatan, Vera Cruz
39 cs, Queen Mary, Southampton
121 J Manheimer, Exeter, Marseilles
61 cs, Continental Bank Trust Co, Excambion, Marseilles
26 cs, Thurston & Braidich, Excambion, Marseilles
45 cs, Dodge & Olcott Co, Excambion, Marseilles
23 cs, Dammann & Smeltzer, Excambion, Marseilles
42 cs, Guaranty Trust Co, Excambion, Marseilles
59 cs, Bank of Manhattan, Excambion, Marseilles
23 cs, W T Rawleigh Co, Excambion, Marseilles
14 cs, Dollar S S Line, Excambion, Marseilles
77 cs, Excambion, Marseilles
CUTS—26 cs, F Huber & Co, Yucatan, Vera Cruz
8 cs, Dodge & Olcott Co, Yucatan, Vera Cruz
WATER, MINERAL—80 cs, American Agency French Vichy, President Roosevelt, Antwerp
6 cs, Pacific Trading Co, Oriente, Havana
430 cs, Pennland, Antwerp
WAX, BEES—9 bgs, Schutte & Focke, Martinique, Jeremie
7 bgs, Curacao Trading Co, Martinique, Petit Goave
14 bgs, Yucatan, Havana
8 bgs, Lenape Trading Co, Borinquen, Trujillo
37 bgs, D Steengrafe, Atlantic, Dar es Salaam
CARNAUBA—56 bgs, American Cyanamid & Chem Co, Cape Corso, Areia
108 bgs, S C Johnson Co, Cape Corso, Fortaleza
111 bgs, Smith & Nichols, Cape Corso, Fortaleza
56 bgs, Strahl & Pitsch, Cape Corso, Fortaleza
46 bgs, Wessal Duval & Co, Cape Corso, Fortaleza
112 bgs, F B Ross Co, Cape Corso, Fortaleza
8 bgs, Cape Corso, Fortaleza
168 bgs, Strohmeyer & Arpe Co, Cape Corso, Areia
444 bgs, Cape Corso, Areia
125 bgs, W M Allison Co, Cape Corso, Parnahyba
188 bgs, Bank of Manhattan, Cape Corso, Parnahyba
163 bgs, Strahl & Pitsch, Cape Corso, Parnahyba
438 bgs, American Cyanamid & Chem Co, Cape Corso, Parnahyba
125 bgs, Smith & Nichols, Cape Corso, Parnahyba
576 bgs, Strohmeyer & Arpe Co, Cape Corso, Parnahyba
40 bgs, Cape Corso, Parnahyba
MINERAL—50 bgs, Port Wyndham, London
MONTAN—375 bgs, 37,750 lbs, Strohmeyer & Arpe Co, Hamburg, Hamburg
OZOKERITE—37 bgs, C B Chrystal & Co, President Roosevelt, Hamburg
31 bgs, 3,407 lbs, Heemsoth-Kerner Corp, Hamburg, Hamburg
67 bgs, 3 cs, 15,840 lbs, Strahl & Pitsch, Hamburg, Hamburg
WOLFRAM ORE—87 bgs, Philipp Bros, Santa Clara, Arica
YEAST—125 bbls, 16,500 lbs, Hamburg, Hamburg
90 bbls, 11,880 lbs, Vulkan Yeast Co, Hamburg, Hamburg
ZINC, OXIDE—1 bg, W B Henderson, American Shipper, Liverpool
200 bgs, 53,680 lbs, American Cyanamid & Chem Co, Excambion, Marseilles
ZINC, AMMONIA CHLORIDE—72 cks, American Cyanamid & Chem Co, Pennland, Antwerp

New York Transit Imports

GELATIN, SHEET—224 cs, American Express Co, Black Gull, Rotterdam, Rochester
IPECAC ROOT—20 bgs, Parke Davis & Co, Santa Clara, Cristobal, Detroit
OIL, COCONUT—263 tons, Procter & Gamble Co, Penrith Castle, Manila, Cincinnati
000 tons, Spencer Kellogg & Sons, Kiyokawa, Manila, Buffalo
ESSENTIAL — 14 cs, President Roosevelt, Antwerp, Rochester
PERILLA—312 tons, W G Smith Co, Kiyokawa, Dairen, Cleveland
PAPAIN — 116 cs, American Ferment Co, Foylebank, Colombo, Buffalo
SPONGES—65 bls, Oriente, Havana, Paris
12 bls, Yucatan, Havana, Detroit
5 bls, Yucatan, Havana, Havre
2 bls, Yucatan, Havana, Wien Austria
REFUSE—47 bls, Oriente, Havana, Paris
VANILLA BEANS—8 cs, M Cortizas Co, Yucatan, Vera Cruz, Philadelphia
39 cs, M Cortizas Co, Excambion, Marseilles
CUTS—16 cs, M Cortizas Co, Yucatan, Vera Cruz, Philadelphia

Baltimore Imports

CHROME ORE—3,048 tons, Exmouth, Fethiye
1,865 tons, E J Lavino Co, Robin Adair, Lourenco Marques
1,600 tons, Robin Adair, Beira
CLAY, RAW—60 cks, City of Newport News, Bremen
DERRIS ROOT—30 bls, Kwanto, Singapore
GREASE, WOOL—10 bbls, Lehigh, Liverpool
ILMENITE SAND—8,300 tons, Sirikishna, Koilthottam
IRON ORE—21,500 tons, Bethlehem Steel Co, Bethore, Cruz Grande
6,749 tons, Leo J Ruck, Sydic, Narvik
KERNELS (GROUND)—12,700 bgs, City of Elwood, Madras
MANGANESE ORE—9,500 tons, Mount Dirfys, Rio Janeiro
OIL, FUEL—78,000 bbls, Standard Oil Co N J, Penelope, Aruba
37,000 bbls, Standard Oil Co N J, Franklin K Lane, Aruba
PEATMOSS—4,300 bls, City of Newport News, Bremen
100 bls, Black Eagle, Rotterdam
1,000 bls, City of Newport News, Hamburg
PYRETHRUM FLOWERS—250 bls, Kimikawa, Kobe
SARDINE MEAL—2,000 bgs, Kimikawa, Kobe
2,000 bgs, Aobasan, Kobe
SEAWEED, DRIED—10 bgs, Lehigh, Liverpool
WATER, MINERAL—100 cs, F H Shallus & Co, Black Eagle, Antwerp

Boston Imports

ACID, PEANUT OIL — 85 dms, Spaarndam, Rotterdam
AMMONIAC SAL — 20 bbls, 12,434 lbs, Kellerwald, Hamburg
CHEMICALS — 100 dms, 12,037 lbs, Black Hawk, Antwerp
30 bbls, 7,937 lbs, Innis, Speiden & Co, Black Hawk, Antwerp
500 bgs, 105,115 lbs, Philipp Bros, Black Hawk, Antwerp
450 bgs, 95,117 lbs, Black Hawk, Antwerp
460 bgs, 59,706 lbs, Royal Bank of Canada, Black Hawk, Antwerp
20 bgs, 4,462 lbs, Industrial Sales Corp, Black Hawk, Antwerp
50 csks, 6,559 lbs, American Cyanamid & Chemical Co, Black Hawk, Rotterdam
80 dms, 43,819 lbs, Black Hawk, Rotterdam
27 dms, 11,905 lbs, Kellerwald, Bremen
150 bgs, 33,069 lbs, Irving M Sobin, Kellerwald, Hamburg
210 crbys, 33,113 lbs, Kellerwald, Hamburg
20 csks, 11,923 lbs, Philipp Bauer Co, Kellerwald, Hamburg
79 dms, Spaarndam, Rotterdam
CLOVES — 200 bgs, Sembilan, Tandjong-Priok
COCOBEANS — 2,153 bgs, W & A Leaman, Spaarndam, Rotterdam
COCOA BUTTER — 10 cs, Stephen L Bartlett Co, Spaarndam, Rotterdam
COCONUT, DESIC — 100 cs, Dodwell & Co, Greystoke Castle, Manila
COCONUTS — 65 bgs, Lady Nelson, St Lucia
COLOR, EARTH — 21 kgs, 11,295 lbs, C L Hauthaway & Sons, Black Hawk, Antwerp
DEXTRIN, POTATO — 100 bgs, Stein, Hall & Co, Spaarndam, Rotterdam
EMERY FILLET — 1 cs, Atkinson-Haserick Co, American Shipper, Liverpool
POWDER — 40 bgs, 1 cs, Nicholson & Co, American Merchant, London
FERTILIZER, CHEMICAL MANURE — 28 bgs, American Merchant, London
FISHLIVER — 121 tins, Nagara, Yokohama
GAMBIER — 70 bgs, E E Androvette, Penrith Castle, Singapore
GELATIN — 120 bgs, 13,492 lbs, Rob D McLellan, Black Hawk, Rotterdam
375 bgs, Rob D McLellan, Spaarndam, Rotterdam
GLASS, PLATE — 10 cs, 32,805 lbs, L Solomon & Son, Black Hawk, Antwerp
GLUE, MARINE PITCH — 2 crtns, L W Ferdinand Co, American Merchant, London
GLUESTOCK, FISH—18 bxs, J R Poole Co, Yarmouth, Yarmouth
HIDE — 185 bgs, American Shipper, Manchester
1 bl, American Express Co, Scythia, Liverpool
GOURMET POWDER — 23 cs, Niel Maersk, Shanghai
GUM, KAURI—40 cs, Huntingdon, Auckland
INK, PRINTING—2 cs, 630 lbs, Adona Co, Kellerwald, Hamburg
IRON, OXIDE—270 bgs, 10 dms, Reichard-Coulston, American Shipper, Liverpool
MACE—16 cs, Spaarndam, Rotterdam
MAGNESITE—200 bgs, Spaarndam, Rotterdam
MEDICINAL PREPS — 1 cs, Niel Maersk, Hongkong
NUTMEGS—50 bgs, Stickney & Poor Spice Co, Lady Nelson, Grenada
OCHER—19 cks, Reichard-Coulston, Excambion, Marseilles
OIL, COCONUT—467 tons, Lever Bros., Niel Maersk, Cebu
COD—100 dms, W Fischer, Spaarndam, Rotterdam
FISHLIVER—16 dms, Atlantic Coast Fisheries Export Corp, Tokai Maru, Yokohama
FUEL — 43,000 bbls, 1,806,000 gls, Colonial Beacon Oil Co, Beaconstreet, Aruba
LUBRICATING—75 bbls, 41,017 lbs, Black Hawk, Antwerp
25 dms, 11,605 lbs, Webbal Service Co, Black Hawk, Antwerp
OLIVE—189 cs, Excambion, Genoa
OSSEIN—1,000 bgs, 101,765 lbs, Atlantic Gelatine Co, Black Hawk, Antwerp
2,000 bgs, 223,987 lbs, J O Whitten Co, Black Hawk, Antwerp
3,680 bgs, 508,390 lbs, Black Hawk, Antwerp
PEATMOSS—1,326 bgs, Robert Gair, Kellerwald, Bremen
600 bls, 92,593 lbs, Halfmoon Mfg & Trading Co, Black Hawk, Rotterdam
1,699 bls, L E Page, Kellerwald, Bremen
1,130 bls, Kellerwald, Bremen
2,050 bls, Premier Peat Moss Corp, Spaarndam, Rotterdam
PEPPER, WHITE—86 bgs, Greystoke Castle, Macassar
PERFUMERY—1 cs, 108 lbs, American Express Co, Kellerwald, Hamburg
PETROLEUM, CRUDE — 33,760 bbls, 5,068 tons, Colonial Beacon Oil Co, Beaconstreet, Las Piedras
PITCH, DISTILLATION — 1 bbl, Kellerwald, Hamburg
PUTTY — 30 cs, Chester H Moulton, Spaarndam, Rotterdam
SEAWEED, POWD—bgs, Leonard W Cronkhite, Spaarndam, Rotterdam
SESAME SEED — 10 cs, Niel Maersk, Hongkong
SHELLAC — 40 cs, 7,075 lbs, J Henry Schroeder Banking Corp, Black Hawk, Rotterdam
SOAP—1 cs, C L Hauthaway & Sons, Black Hawk, Antwerp
1 cs, Stone & Downer, American Merchant, London
50 cs, Conti Products Corp, Excambion, Leghorn
TECHNICAL — 2 cs, 724 lbs, John A Conkey, Kellerwald, Hamburg
TOILET — 1 cs, Lever Bros, American Merchant, London
61 cs, S S Pierce Co, American Merchant, London
STARCH, CHEMICALLY TREATED — 725 bgs, Spaarndam, Rotterdam
POTATO—250 bgs, Stein, Hall & Co, Spaarndam, Rotterdam
TALC — 100 bgs, L A Salomon & Bros, Excambion, Marseilles
TANKAGE — 2,000 bgs, 220,460 lbs, Helgoland, Buenos Aires
TAPIOCA FLOUR — 552 bgs, Arnold-Hoffman Co, Greystoke Castle, Pasoeroean
1,150 bgs, Guaranty Trust Co, Kota Baroe, Cheribon
350 bgs, Guaranty Trust Co, Kota Baroe, Batavia
500 bgs, H P Winter & Co, Kota Baroe, Batavia
1,050 bgs, Guaranty Trust Co, Foylebank, Batavia
2,187 bgs, National City Bank, Sembilan, Sourabaya
WATER, MINERAL — 75 cs, 11,828 lbs, Apollinaris Agency, Black Hawk, Antwerp
WAX, MONTAN — 1,500 bgs, 231,483 lbs, Strohmeyer & Arpe, Kellerwald, Hamburg
WHITING — 500 bgs, 55,115 lbs, T D Downing Co, Black Hawk, Antwerp
20 bgs, 2,205 lbs, Nicholas H Weitzmer, Black Hawk, Antwerp

Boston Transit Imports

COLORS, DRY—2 bbls, Spaarndam, Rotterdam, for St John, N B
PEPPER, WHITE—143 bgs, Greystoke Castle, Macassar, for Montreal
SOAP, TOILET—5 cs, American Express Co, American Merchant, London, for Buffalo
4 cs, American Express Co, American Merchant, London, for Indianapolis

Galveston Imports

HOPS—60 cs, Waban, Bremen
PAPRIKA—75 bgs, Waban, Bremen
PEATMOSS—2,040 bls, Waban, Bremen
PEPPER—25 bgs, Waban, Bremen
POTASH SULPHATE—500 double bbls, Lubeck, Bremen

Houston Imports

VARNISH—3, cs, Tillie Lykes, Ponce

Lake Charles Imports

SODA NITRATE—6,418 tons, Gypsum Prince, Tocopilla

Los Angeles Imports

AMMONIA, PHOSPHATE — 199,360 lbs, Wisconsin, Paris
389,760 lbs, Rosebank, Trail
SULPHATE — 170,240 lbs, Rosebank, Trail
1,001,280 lbs, Lochgoil, Holland
ANTIMONY ORE — 56,000 lbs, from Mexico
ARSENIC — 77,160 lbs, Axel Johnson, Stockholm
BABASSU KERNELS — 11,500 lbs, Hoyanger, Bahia
CALCIUM NITRATE — 6,283,200 lbs, Knute Nelson, Oslo
PHOSPHATE, DIBASIC — 56,000 lbs, Wisconsin, London
CHEMICAL COMPOUND — 1,030 lbs, Kinka, Japan
110 lbs, Arimasan, Yokohama
SALT — 1,010 lbs, Arimasan, Tokyo
CLAY — 8,600 lbs, Lochgoil, Ransbach
11,010 lbs, Lochgoil, Cologne
COCONUT DESIC — 45,500 lbs, Friesland, Manila
32,110 lbs, Tai Shan, Manila
COPRA, MEAL — 672,000 lbs, Friesland, Manila
2,333,810 lbs, Modjokerto, Manila
DRUGS, CRUDE — 160 lbs, Tai Shan, Hongkong
20 lbs, Tai Shan, Canton
170 lbs, President Cleveland, Hongkong
FERTILIZER — 59,000 lbs, Hoyanger, San Paulo
FISH LIVER, FROZEN — 3,320 lbs, Kujokawa, Japan
5,880 lbs, Tai Shan, Japan
4,200 lbs, President Cleveland, Yokohama
MEAL — 200,030 lbs, Atago, Kobe
GINGER ROOT — 10,390 lbs, Lochgoil, Kingston
GLASS, PLATE — 29,760 lbs, Oakland, Brussels
SHEET — 92 cs, 49,560 lbs, Weser, Prague
244 cs, 64,580 lbs, Wisconsin, Brussels
21 cs, 9,610 lbs, Oakland, Prague
GLUE, MARINE — 4,480 lbs, Lochgoil, London
GUM, COPAL — 11,010 lbs, Modjokerto, Macassar
GYPSUM, CRUDE — 8,025,930 lbs, Griffco, San Marcos
HEMPSEED MEAL—220,000 lbs, Kozui, Kobe
MACE—1,080 lbs, Hoegh Silverlight, Macassar
MEDICINAL PREPS—70 lbs, Yamaura, Yokohama
330 lbs, Kozui, Kobe
MOSS, CRUDE—4,030 lbs, Modavia, Liverpool
MUSTARD PREP—80 lbs, Lochgoil, Rotterdam
OIL, CITRONELLA—2,210 lbs, Modjokerto, Batavia
CODLIVER (POULTRY)—80,000 lbs, Knute Nelson, Oslo
MINERAL—10,000 lbs, From Antwerp
57,460 lbs, Oakland, Copenhagen
OLIVE—4,560 lbs, From Genoa
6,040 lbs, From Italy
PEANUT—70 lbs, Yamaura, Yokohama
800 lbs, President Cleveland, Hongkong
POPPYSEED—40 lbs, Tatuta, Kobe
RICE BRAN—40,000 lbs, Yamaura, Osaka
PAPRIKA—13,750 lbs, Wisconsin, Valencia
PEATMOSS—36,000 lbs, Knute Nelson, Malmo
140 lbs, Elbe, Bremen
82,150 lbs, Oakland, Bremen
PIMENTO—4,450 lbs, Lochgoil, Kingston
RICE FLOUR—550 lbs, Yamaura, Yokohama
SARDINE MEAL—400,000 lbs, Atago, Osaka
SEAWEEDS—450 lbs, Yamaura, Yokohama
350 lbs, Tatuta, Kobe
SILVERSAND—179,200 lbs, Wisconsin, Antwerp
SOAP, TOILET—80 lbs, Kozui, Kobe
SODA CYANIDE—112,000 lbs, Lochgoil, Frankfort
SOYBEAN—300 lbs, Tatuta, Kobe
2,000 lbs, Kozui, Kobe
MEAL—690,860 lbs, Kiyokawa, Dairen
STARCHES—150 lbs, Yamaura, Yokohama

TAPIOCA—40 lbs, Tai Shan, Shanghai
FLOUR—2,600 lbs, President Cleveland, Hongkong
TOILET PREPS—140 lbs, Yamaura, Yokohama
180 lbs, Kozui, Kobe
30 lbs, Lochgoil, London
WAX, SPERMACETI—1,200 lbs, Modavia, Glasgow

Mobile Imports

BAUXITE ORE, CRUSHED AND DRIED — 2,230 tons, Betty, Port of Spain
3,075 tons, Ramo, Port of Spain

New Orleans Imports

BAUXITE ORE — 2,350 tons, Republic Mining & Mfg Co, Vestvangen, Paramaribo
384 tons, Republic Mining & Mfg Co, Vestvangen, Port of Spain
CHALK — 2,000 sx, Binnendijk, Antwerp
CHEMICALS—20 sx, 95 bbls, Binnendijk, Rotterdam
50 sx, Binnendijk, Antwerp
COCONUTS — 75 sx, W R Grace & Co, Lysefjord, Kingston
229 sx, Universal Import & Export Co, Lysefjord, Kingston
100 sx, J Blake, Jr, Lysefjord, Belize
100 sx, Lysefjord, Belize
GUM CHICLE — 29 bls, Lysefjord, Belize
IPECAC ROOT — 5 sx, R Fransen, Sinaloa, Bluefields
MOLASSES — 1,400,000 gls, Cia Azucarera, Gertrude Kellogg, Punta Alegre
MUSTARD SEED — 150 sx, Jewett & Sherman, Binnendijk, Rotterdam
3 sx, H Hastings & Co, Binnendijk, Rotterdam
PEATMOSS—300 bls, Peat Import Corp Koenigsberg, Bremen
300 bls, Marine Midland Trust Co, Binnendijk, Rotterdam
1,600 bls, Premier Peat Moss Corp, Binnendijk, Rotterdam
PYRETHRUM FLOWERS — 250 bls, Norton Lilly & Co, Vestvangen, Port of Spain

Norfolk Imports

LEATHER WASTE — 925 bgs, 21 tons, 12 cwt, 2 qtrs, Cold Harbor, Liverpool
MANGANESE ORE — 8,450 tons, E J Lavino & Co, Philadelphia, Domby, Takoradi, B W I
SALT — 2,000 tons, Gudvor, Sfax, Tunis
SODA, NITRATE — 2,679 long tons, Guaranty Trust Co, N Y, Ingerseks, Antofagasta

Philadelphia Imports

AMMONIA CARBONATE—20 cs, 25 cks, Harshaw Chemical Co, Lehigh, Glasgow
BAUXITE—998 tons, Aluminum Union, Ltd, Ingrid, Port of Spain
1,798 tons, Aluminum Union, Ltd, Ingrid, Georgetown
BONE MEAL—1,000 bgs, Astri, Buenos Aires
BRISTLES—75 cs, Rhexenor, Hongkong
CALCIUM SILICO—100 bbls, Schodack, Ex Vincent, Havre
CANARY SEED—419 bgs, Astri, Buenos Aires
CEMENT, ROOFING — 4 dms, Pecora Paint Co, Barbara, San Juan
COCOA BEANS—2,000 bgs, Pocone, Bahia
1,000 bgs, Blumenthal Bros, Pocone, Bahia
COCONUTS—147 bgs, Ed Freeman, Barbara, Mayaguez
317 bgs, Barbara, Mayaguez
COLORS, COMMON, DRY—1 cs, J W Hampton, Jr, & Co, Lehigh, Liverpool
CORK, BITS—146 bls, Armstrong Cork Co, Maddalena Odero, Djidjelli
REFUSE BURUT—301 bls, Armstrong Cork Co, Maddalena Odero, Djidjelli
REFUSE, SCRAPED — 2,027 bls, Armstrong Cork Co, Maddalena Odero, Djidjelli
REFUSE, UNSCRAPED — 1,945 bls, Armstrong Cork Co, Maddalena Odero, Djidjelli
REFUSE — 5,708 bls, Armstrong Cork Co, Molda, Marseilles
VIRGIN—704 bls, Armstrong Cork Co, Maddalena Odero, Bone
248 bls, Armstrong Cork Co, Maddalena Odero, Djidjelli
WASTE — 7,016 bls, Armstrong Cork Co, Maddalena Odero, Bone
3,887 bls, Armstrong Cork Co, Maddalena Odero, Djidjelli
703 bls, Wicander & Co, Molda, Marseilles
WOOD—2,325 bls, Ida Z O, Bastia
11,147 bls, Ida Z O, Terranova
10,067 bls, Ida Z O, Cagliari
4,616 bls, Ida Z O, Palermo
669 bls, Armstrong Cork Co, Molda, Seville
520 bls, Armstrong Cork Co, Maddalena Odero, Djidjelli
FERROMANGANESE — 152,850 kilos, Schodack, Ex Vincent, Dunkirk
100 tons, Philadelphia National Bank, Topeka, Heroen
FILTER PAPER—10 cs, John Maris Co, Schodack, Ex Vincent, Havre
FLAXSEED—4,840 tons, Cubano, Conception del Uruguayo
2,010 bgs, Cubano, Conception del Uruguayo
1,219 tons, Cubano, Buenos Aires
2,586 bgs, Cubano, Buenos Aires
FLOWERS, MEDICINAL—21 bls, Molda, Marseilles
GYPSUM, CRUDE—4,600 tons, United States Gypsum Co, Gypsum Empress, Windsor
IRON ORE, CHROME BEARING—3,500 tons, U S Vanadium Corp, Fernbank, Sabang
1,350 tons, Benguet Consolidated Mineral Co, Fernbank, Masinloc
MANGANESE ORE — 300 bgs, Molda, Marseilles
MENTHOL—100 cs, Chemical Bank & Trust Co, Kimikawa, Otaru
50 cs, Yick Chemical Co, Nagara, Kobe
MOLASSES — 538,176 gls, North American Trading & Import Co, Winnetou, Boqueron
873,367 gls, North American Trading & Import Co, Winnetou, Cienfuegos
NUTMEGS—40 bgs, Rhexenor, Padang
65 bgs, Catz American Co, Steel Seafarer, Batavia
OAK SHAVINGS—1 ck, Davies, Turner & Co, Schodack, Bordeaux
OCHER—600 bgs, F B Vandegrift & Co, Molda, Marseilles
15 cks, F B Vandegrift & Co, Molda, Marseilles
OIL, COD—25 dms, Loos & Dillworth, Topeka, Aalesund
150 dms, Allen Forwarding Co, Topeka, Bergen
50 dms, J A McCarthy, Topeka, Bergen
50 dms, Seaboard Supply Co, Topeka, Bergen
100 dms, Irving R Boody & Co, Nagara, Yokohama
COTTONSEED—550 dms, Fjeld, Cabedello
1,465 dms, Fjeld, Pernambuco
OLIVE—300 cs, Birmania, Genoa
25 cks, Banco de Napoli Trust Co, Molda, Marseilles
200 cs, Irving Trust Co, Examiner, Seville
50 cs, Philadelphia National Bank, Examiner, Seville
1,000 cs, Chase National Bank, Examiner, Seville
PAPRIKA—25 bgs, Birmania, Trieste
PETROLEUM, CRUDE—65,349 bbls, Gulf Oil Corp, Senator, Las Piedras
92,677 bbls, Gulf Oil Corp, Gulfwax, Las Piedras
SARDINE MEAL—1,000 bgs, Mitsubishi Shoji Kaisha, Ltd, Kimikawa, Kobe
SEA SHELLS—2 bbls, Schodack, Vincent, Havre
TALC—250 bgs, Whittaker, Clark & Daniels, Schodack, Bordeaux
TAPIOCA FLAKES—194 bgs, National City Bank, Rhexenor, Sourabaya
FLOUR—511 bgs, Chase National Bank, Rhexenor, Sourabaya
500 bgs, Chase National Bank, Steel Seafarer, Cheribon
502 bgs, Guaranty Trust Co, Steel Seafarer, Cheribon
250 bgs, Guaranty Trust Co, Steel Seafarer, Batavia
WOODFLOUR — 1,500 bgs, B L Soberski, Topeka, Greaker
ZIRCONIUM ORE—500 bgs, Astri, Santos

Port Arthur Imports

GASOLINE AND KEROSENE SAMPLES—26 tins, South America, Amsterdam

Portland, Ore., Imports

BLEACHING POWDER—50 dms, Corrientes, Liverpool
COPRA—591 tons, Durkee Famous Foods, Michigan, Cebu
153 tons, Durkee Famous Foods, Michigan, Masbate
500 tons, Durkee Famous Foods, Michigan, Legaspi
FLAXSEED—17,060 sks, Louis Dreyfus & Co, West Nilus, Buenos Aires
TANKAGE—453 sks, West Nilus, Buenos Aires

San Francisco Imports

ACID, CITRIC—72 cs, Manulani, Honolulu
36 cs, Manulani, Honolulu (for Alameda)
BONE MEAL, PRECIP—500 sks, San Antonio, Antwerp
BRISTLES—25 cs, S Hirshenhorn & Sons, President Cleveland, Hongkong
50 cs, Block Bros & Co, President Cleveland, Hongkong
25 cs, Samuel Zeitlins & Sons, President Cleveland, Hongkong
114 cs, H Cone & Co, President Cleveland, Hongkong
76 cs, H Rosenhirsch, President Cleveland, Hongkong
38 cs, Koo Chin Kee & Sons, President Cleveland, Hongkong
CASSIA—100 bbls, A Schilling & Co, President Cleveland, Hongkong
200 cs, Woolson Spice Co, President Cleveland, Hongkong
CHEMICALS—20 csks, S L Abbot Jr Co, Weser, Hamburg
10 csks, Braun-Knecht-Heimann Co, Weser, Hamburg
CHILLIES—350 sks, S L Jones & Co, Atago, Kobe
CINNAMON—10 bls, President Cleveland, Kobe
CLOVES—25 sks, President Clevelanl, Hongkong
COCOA BEANS—200 sks, Otis, McAllister & Co, Weser, Cristobal
100 sks, Henry W Peabody & Co, President Cleveland, Hongkong
COCONUT, DESIC—1,250 cs, J E Lowden, President Cleveland, Manila
1,851 cs, General Foods Sales Co, President Cleveland, Manila
1,015 cs, Balfour, Guthrie & Co, President Cleveland, Manila
1,760 cs, Philippine Desiccated Coconut Corpn, President Cleveland, Manila
FILTER MATERIAL—5 cs, P Reinemann, Weser, Antwerp
GINGER ROOT—20 cs, Manulani, Hilo
154 cs, President Cleveland, Hongkong
GLASS, ROUGH—18 cs, San Antonio, Antwerp
WINDOW—351 cs, San Antonio, Antwerp
60 cs, Victor Portrait Co, Weser, Antwerp (for Oakland)
GRAPHITE—150 bgs, Hoegh Silverlight, Colombo (for Oakland)
GUM COPAL—100 bskts, Henry W Peabody & Co, Hoegh Silverlight, Macassar
INK—5 cs, Columbia Co, Presilent Cleveland, Hongkong
KELP MEAL—400 sks, M W Park & Co, Kinka, Yokohama
MACE—34 cs, Fred Catz & Co, Hoegh Silverlight, Sourabaya
7 cs, Fred Catz & Co, Hoegh Silverlight, Macassar
MARGARIN, VEGETABLE—1,000 cs, M S Cowen Co, President Cleveland, Manila
250 cs, David B Berelson, President Cleveland, Manila
MEDICINAL PREPS—17 pkgs, Tai Fung Wo, President Cleveland, Hongkong
3 cs, Fung Chong, President Cleveland, Hongkong
1 cs, Chew Chong Tai, President Cleveland, Hongkong
80 pkgs, Tin Shew Tong, President Cleveland, Hongkong
11 pkgs, Oy Wo Tong, President Cleveland, Hongkong
5 cs, Kwong Kee Chan, President Cleveland, Hongkong
2 cs, Columbia Co, President Cleveland, Hongkong
MOLASSES — 1,200,000 lbs, Makawao, Ahukini
NUTMEGS — 36 sks, Fred Catz & Co, Hoegh Silverlight, Sourabaya
OIL, CHINAWOOD — 308 tons, Werner G Smith Co, President Cleveland, Hongkong
300 tons, Pacific Vegetable Oil Corp, President Cleveland, Hongkong
COCONUT — 500 tons, Philippine Refining Corp of N Y, Hoegh Silverlight, Manila
PAPRIKA — 50 sks, McClintock-Stern Co, Weser, Hamburg
PARAFFIN — 250 sks, Shell Oil Co, Hoegh Silverlight, Balikpapan
PEANUTS, SHELLED — 250 sks, M S Cowen Co, Hoegh Silverlight, Manila
PEPPER, BLACK — 320 sks, Hoegh Silverlight, Bombay
972 sks, A J Fuller, Hoegh Silverlight, Oosthaven
172 sks, Fred Catz & Co, Hoegh Silverlight, Oosthaven
84 sks, Hoegh Silverlight, Oosthaven
PHOSPHATE, BICALCIUM — 22 sks, Balfour, Guthrie & Co, San Antonio, Antwerp
POTASH, CHLORATE — 250 dms, Uniform Chemical Products, Weser, Hamburg (for Oakland)
RAPESEED — 375 sks, G Dunn, Atago, Otaru
SARDINE MEAL — 400 sks, Balfour, Guthrie & Co, Atago, Kobe
2,000 sks, Atago, Yokohama
SESAME SEED — 60 sks, S L Jones & Co, President Cleveland, Hongkong
SILVERSAND — 750 tons, Balfour, Guthrie & Co, San Antonio, Antwerp (for Oakland)
SOAP, TOILET — 5 cs, Pacific Trading Co, President Cleveland, Yokohama
TAPIOCA FLOUR — 925 sks, Hoyt, Shepston & Sciaroni, Hoegh Silverlight, Batavia
128 sks, Hoyt, Shepston & Sciaroni, Hoegh Silverlight, Cheribon
SEED — 54 sks, D Hecht & Co, Hoegh Silverlight, Batavia

Savannah Imports

CALCIUM NITRATE—9,900 bgs, Tana, Heroen
254,000 kos, Tana, Heroen

Seattle Imports

BLEACHING POWDER—45 dms, Corrientes, Liverpool
5 cs, Corrientes, Liverpool

NUTMEGS—50 sks, B C Ireland, West Nilus, Port of Spain
TANKAGE—600 sks, West Nilus, Buenos Aires
1,965 sks, Washington Cooperative Egg & Poultry Assn, West Nilus, Buenos Aires
UNGROUND—2,000 sks, West Nilus, Santos

Tampa Imports

COCONUTS—3,440, W M Delphia, Belize
SOAP LOTION AND PERFUMERY—3 ctns, Cuba, Havana

Exports from U.S. Ports

New York Exports
Clearance Dates

Agwistar, April 9; Alex Van Opstal, April 8; American Legion, April 8; American Merchant, April 1; Antonia, April 8; Ausonia, April 7; Black Osprey, April 18; Bristol City, April 12; Britannic, April 14; Cameronia, April 12; Carinthia, April 12; Chiriqui, April 9; City of Christiania, April 4; Drottningholm, April 15; Excalibur, April 12; Fort Amherst, April 8; Guayaquil, April 12; Gunvor, April 8; Hammaren, April 8; Hansa, April 13; Konigstein, April 8; Listo, April 13; Malaren, April 15; Mayari, April 11; New York, March 6; Paris, April 7; Parnahyba, April 15; Porto Rico, April 9; Rex, April 15; Rotterdam, April 8; Santa Lucia, April 8; Santa Paul, April 8; Steel Navigator, April 5; Talamanca, March 30; Toulousse, March 31; Veragua, April 2; Vincent, April 14; Voco, April 15; Washington, April 5

ACID, CITRIC — 126 lbs, Veragua, Colon
MURIATIC — 47,210 lbs, Porto Rico, Ponce; 3,700 lbs, Talamanca, Kingston; (Mayari) 37,740 lbs, Banes; 37,000 lbs, Porto Barrios; 19,026 lbs, Listo, Antilla
NITRIC — 1,067 lbs, Chiriqui, La Union; 7,045 lbs, Agwistar, Tampico
SULPHURIC — 17,580 lbs, Agwistar, Tampico
VANADIC — 21,621 lbs, Washington, Havre
AMMONIA, ANHYDR — 2,345 lbs, Talamanca, Santa Marta; 8,910 lbs, American Legion, Santos
SULPHATE — 113,960 lbs, Gunvor, Barbados
ASPHALT — 1,387 lbs, New York, Hamburg; 44,000 lbs, Alex Van Opstal, Antwerp; 6,864 lbs, Porto Rico, Ponce; 22,154 lbs, American Merchant, London; (City of Auckland) 103,214 lbs, Bombay; 266,110 lbs, Colombo; 202,425 lbs, Calcutta; (Extavia) 359,640 lbs, Piraeus; 69,250 lbs, Salonica
LIQUID — 35,369 lbs, Black Osprey, Rotterdam; 66,562 lbs, Malaren, Helsingfors; 11,120 lbs, Britannic, Southampton; 39,632 lbs, Cameronia, Glasgow
BAKING POWDER — (New York) 32,025 lbs, Stockholm; 28,275 lbs, Gothenburg
BISMUTH, METALLIC — 13,067 lbs, American Merchant, London
BLUE VITRIOL — 1,069,700 lbs, Mayari, Porto Barrios; 93,200 lbs, Talamanca, Kingston
VITRIOL CRYST—524,392 lbs, Mayari, Banes
CALCIUM, CARBIDE — 149,280 lbs, Guayaquil, Porto Bolivar
CHLORIDE — 8,360 lbs, Talamanca, Santa Marta
HYPOCHLORITE — 48,005 lbs, Listo, Antilla
CAPSICUM, OLEORESIN — 300 lbs, Hansa, Hamburg
CHEMICALS—67,063 lbs, Vincent, Havre; 1,450 lbs, Malaren, Norrkoeping; 89,640 lbs, Helvig, Oporto
CHLORINE, LIQ—12,290 lbs, Guayaquil, Porto Colombia; 4,393 lbs, Listo, Antilla
CLAY—10,177 lbs, American Legion, Buenos Aires
CLEANER—48,374 lbs, Steel Navigator, Honolulu
COLOR, DRY—812 lbs, Alex Van Opstal, Antwerp; 2,424 lbs, Konigstein, Antwerp
CORN FLOUR—31,020 lbs, Toulouse, Manila; 36,500 lbs, American Merchant, London; 902 lbs, Santa Lucia, Pacasmayo
SYRUP—16,800 lbs, Toulouse, Manila; (Steel Navigator) 29,754 lbs, Honolulu; 2,100 lbs, Hilo; 1,588 lbs, Kahului; 5,544 lbs, Port Allen; 31,258 lbs, Veragua, Havana; (Bristol City) 22,510 lbs, Bristol; 22,520 lbs, Cardiff; 12,808 lbs, Drottingholm, Gothenburg; 12,857 lbs, Malaren, Norrkoeping; (Hammaren) 15,191 lbs, Gefle; 4,003 lbs, Stockholm; 2,248 lbs, Kahuku, Honolulu; 30,140 lbs, City of Auckland, Colombo; (City of Mobile) 1,118 lbs, Auckland; 15,022 lbs, Wellington
DEXTRIN—2,272 lbs, Malaren, Helsingfors; 7,050 lbs, City of Auckland, Colombo; 1,128 lbs, City of Mobile, Auckland
CORN—708 lbs, Talamanca, Porto Colombia; (City of Auckland) 84,600 lbs, Bombay; 14,100 lbs, Calcutta; 11,430 lbs, Australind, Melbourne; 20,586 lbs, City of Mobile, Wellington
DICHLORODIFLUOROMETHANE—11,869 lbs, American Merchant, London; 10,715 lbs, Eastern Glade, Buenos Aires
DRUGS—4,054 lbs, American Merchant, London
DYES—348 lbs, Alex Van Opstal, Antwerp; (Washington) 2,888 lbs, Hamburg; 1,214 lbs, Helsingfors; 8,084 lbs, Haughton Hall, Pondicherry; 2,103 lbs, Black Osprey, Rotterdam; 18,229 lbs, American Legion, Santos; 32,418 lbs, City of Auckland, Bombay; 771 lbs, Rotterdam, Rotterdam
ETHYL FLUID—6,875 gls, Steel Navigator, Soengi Gerong
ETHYLENE DICHLORIDE—80,113 lbs, Hokkai, Yokohama
FERTILIZER—(Steel Navigator) 1,725,600 lbs, Honolulu; 34,800 lbs, Hilo
GASOLINE—(City of Christiania) 200 gls, Tulear; 1,500 gls, Morondava; 20,000 gls, Parnahyba, Santos
GELATIN—319 lbs, Antonia, Liverpool
GLASS, PLATE—13,600 lbs, Chiriqui, Havana; 6,695 lbs, Hansa, Hamburg
GLUCOSE, SOLID—2,820 lbs, City of Christiania, Capetown; 2,100 lbs, Haughton Hall, Bombay; (City of Auckland) 900 lbs, Karachi; 600 lbs, Rangoon; 23,700 lbs, Madras; 6,102 lbs, City of Mobile, Wellington
GLUE—565 lbs, Alex Van Opstal, Antwerp; 1,412 lbs, Veragua, Havana; 2,242 lbs, Vincent, Havre; 10,539 lbs, Rotterdam, Amsterdam
GLYCERIN—1,363 lbs, Chiriqui, Havana
GREASE, LUBRICATING — 14,186 lbs, Toulousse, Hongkong; 1,484 lbs, New York, Hamburg; 2,240 lbs, Paris, Havre; 21,517 lbs, Washington, Havre; 8,876 lbs, Talamanca, Santa Marta; (City of Christiania) 4,640 lbs, Durban; 9,886 lbs, Lourenco Marques; 1,866 lbs, Mombasa; 6,643 lbs, Haughton Hall, Calcutta; 4,300 lbs, American Merchant, London; 13,241 lbs, Parnahyba, Santos; 47,646 lbs, Vincent, Havre; 2,165 lbs, Excalibur, Algiers; 24,686 lbs, Bristol City, Bristol; 10,409 lbs, Malaren, Helsingfors; 909 lbs, Black Osprey, Rotterdam; (Amer Legion) 11,015 lbs, Rio de Janeiro; 8,826 lbs, Santos, 12,840 lbs, Buenos Aires; 9,036 lbs, Carinthia, Liverpool; 95,588 lbs, Antonia, Liverpool; (Hammaren) 14,885 lbs, Gothenburg; 2,140 lbs, Stockholm; (City of Auckland) 6,235 lbs, Karachi; 8,862 lbs, Bombay; 14,172 lbs, Calcutta; (Extavia) 4,855 lbs, Piraeus; 2,241 lbs, Salonica; (Australind) 18,475 lbs, Brisbane; 24,382 lbs, Sydney; 30,163 lbs, Melbourne; 4,452 lbs, Adelaide; (City of Mobile) 8,450 lbs, Auckland; 17,964 lbs, Wellington; 4,223 lbs, Lyttleton; 26,080 lbs, Sydney; 12,276 lbs, Eastern Glade, Santos; 14,400 lbs, Hokkai, Osaka
INSECTICIDE — 5,900 lbs, Chiriqui, Havana; 6,279 lbs, American Merchant, London; 16,800 lbs, Extavia, Salonica
HOUSEHOLD — 7,200 lbs, Haughton Hall, Karachi; 52,250 lbs, American Merchant, London; 4,800 lbs, Excalibur, Jaffa; 8,040 lbs, Extavia, Istanbul
INSULIN—811 lbs, Rex, Genoa
IODINE, CRUDE—2,286 lbs, American Merchant, London
IRON OXIDE—17,438 lbs, Alex Van Opstal, Antwerp
KEROSENE—10,000 gls, Guayaquil, Port au Prince
LACQUER — 1,981 lbs, Hansa, Helsingfors; 1,050 lbs, Eastern Glade, Buenos Aires
LARD—23,074 lbs, Alex Van Opstal, Antwerp; 284,250 lbs, Ausonia, London; 67,561 lbs, Chiriqui, Havana; 66,750 lbs, Veragua, Havana; 20,000 lbs, Porto Rico, Mayaguez; 68,600 lbs, American Merchant, London; 36,000 lbs, Santa Lucia, Guayaquil; (Bristol City) 269,750 lbs, Bristol; 71,500 lbs, Cardiff; 138,900 lbs, Britannic, Southampton; 12,600 lbs, Cameronia, Glasgow; (Hansa) 142,380 lbs, Hamburg; 26,297 lbs, Czechoslovakia; 79,981 lbs, Carinthian, Liverpool; 80,851 lbs, Antonia, Liverpool
LEAD ACETATE—1,080 lbs, Kahuku, Kaanapali
BLUE, SUBLIMED — 6,144 lbs, Hammaren, Stockholm
RED—17,671 lbs, American Legion, Buenos Aires
LEAVES—5,784 lbs, Washington, Havre
LICORICE WASTE—5,408 lbs, Ansonia, London
LINSEED CAKE—1,401,993 lbs, Alex Van Opstal, Antwerp; 560,395 lbs, Konigstein, Rotterdam; 2,029,434 lbs, Black Osprey, Antwerp-option; 453,390 lbs, Carinthia, Liverpool; 339,973 lbs, Rotterdam, Rotterdam
LITHARGE — 19,661 lbs, American Legion, Buenos Aires
LUBRICANTS—30,388 lbs, Rotterdam, Amsterdam
MAGNESIA CHLORIDE—12,339 lbs, American Merchant, London
METHANOL—1,870 gls, Australind, Sydney
NAPHTHA—(City of Christiania) 40,000 gls, Tulear; 31,650 gls, Diego, Suarez; 30,750 gls, Morondava; 35,500 gls, Majunga; (Parnahyba) 11,000 gls, Rio de Janeiro; 5,500 gls, Santos
OIL, CEDARWOOD—1,442 lbs, New York, Hamburg
CORN—5,118 lbs, Steel Navigator, Honolulu; (Porto Rico) 8,318 lbs, San Juan; 1,418 lbs, Ponce; 2,010 lbs, Santa Paula, Curacao; (City of Christiania) 750 lbs, East London; 450 lbs, Lourenco Marques; 2,325 lbs, Kahuki, Honolulu; 750 lbs, City of Mobile, Dunedin
CREOSOTE—1,095 lbs, Talamanca, Kingston
CYLINDER—299,292 gls, Voco, Alexandria
ESSENTIAL—751 lbs, Hansa, Hamburg
FUEL—(City of Christiania) 1,100 gls, Diego, Suarez; 3,850 gls, Morondava
LIME—4,500 lbs, Porto Rico, Mayaguez
LONG BURNING—91,350 gls, Voco, London
LUBRICATING — (Voco) 1,034,628 gls, London; 134,664 gls, Alexandria; (City of Auckland) 17,800 gls, Karachi; 42,295 lbs, Bombay; 19,250 gls, Cochin; 31,075 gls, Calcutta; (Extavia) 1,100 gls, Tunis; 15,975 gls, Piraeus; 1,100 gls, Salonica; 4,400 gls, Istanbul; (Australind) 40,480 gls, Brisbane; 52,800 gls, Sydney; 54,175 gls, Melbourne; 39,985 gls, Adelaide; (City of Mobile) 40,250 gls, Auckland; 550 gls, Gisborne; 52,690 gls, Wellington; 16,175 gls, Lyttleton; 21,550 gls, Dunedin Wharf; 2,750 gls, Timaru; 20,980 gls, Sydney; (Hokkai) 24,640 gls, Yokohama; 9,515 gls, Osaka; 27,500 gls, Dairen; 17,435 gls, Kobe; 26,145 gls, Rotterdam, Rotterdam; 1,650 gls, Toulousse, Hongkong; 3,300 gls, Alex Van Opstal, Matadi; 60,192 gls, New York, Hamburg; (Paris) 550 gls, Dunkirk; 550 gls, St Nazaire; 21,120 gls, Havre; 1,650 gls, Washington, Havre; 2,100 gls, Ausonia, London; 8,400 gls, Konigstein, Antwerp; 3,435 gls, Chiriqui, Havana; (Talamanca) 2,750 gls, Santa Marta; 1,650 gls, Belize; (Gunvor) 1,344 gls, Fort France; 1,430 gls, Port Spain; 3,200 gls, Paramaribo; (Fort Amherst) 3,850 gls, St John; 5,354 gls, Halifax; (Santa Paula) 7,700 gls, Porto Colombia; 8,250 gls, Porto Cabello; (City of Christiania) 4,060 gls, Durbag; 3,250 gls, Lourenco Marques; 35,120 gls, Mombasa; 1,375 gls, Tanga; 5,225 gls, Dar Salaam; 550 gls, Morondava; 8,910 gls, Agwistar, Tampico; (Haughton Hall) 3,410 gls, Bombay; 15,500 gls, Calcutta; 1,470 gls, Madras; 16,990 gls, American Merchant, London; (Parnahyba) 715 gls, Rio de Janeiro; 6,710 gls, Santos; (Santa Lucia) 2,075 gls, Pisco; 1,760 gls, Buenaventura; 16,986 gls, Antofagasta; 8,800 gls, Chanaral; 3,960 gls, Valparaiso; (Vincent) 1,260 gls, Havre; 62,916 gls, Dunkirk; (Excalibur) 1,960 gls, Marseilles; 2,750 gls, Oran; 3,300 gls, Tunis; 18,640 gls, Alexandria; 550 gls, Beirut; 840 gls, Bristol City, Bristol; (Malaren) 5,334 gls, Gothenburg; 18,360 gls, Helsingfors; 7,790 gls, Stockholm; (Black Osprey) 17,285 gls, Rotterdam; 3,072 gls, Amsterdam; 1,260 gls, American Legion, Montevideo; 18,942 gls, Rex, Genoa; 18,165 gls, Cameronia, Glasgow; (Hansa) 84,268 gls, Hamburg; 3,570 gls, Prague; (Carinthia) 4,125 gls, Calcutta; 23,730 gls, Liverpool; (Hammaren) 2,860 gls, Gothenburg; 1,604 gls, Malmo; 3,630 gls, Stockholm
OLEO — 27,869 lbs, Konigstein, Antwerp; 47,585 lbs, Drottningholm, Gothenburg; 35,339 lbs, Hansa, Hamburg; 39,734 lbs, Hammaren, Stockholm; 84,015 lbs, Helvig, London
PEPPERMINT—690 lbs, Hansa, Hamburg
PINE—7,566 lbs, New York, Hamburg; 510 lbs, Rex, Genoa
SPEARMINT—152 lbs, New York, Hamburg
WORMSEED—290 lbs, New York, Hamburg
PAINT — 7,050 lbs, Toulousse, Manila; (Steel Navigator) 3,460 lbs, Hilo; 12,172 lbs, Honolulu; 7,874 lbs, Chiriqui, Havana; 5,260 lbs, Talamanca, Cartagena; 3,830

PAINT (Continued):—
lbs, Veragua, Havana; 1,135 lbs, Malaren, Stockholm; 2,520 lbs, Hammaren, Huso; (Kahuku) 23,860 lbs, Honolulu; 2,262 lbs, Hilo
PIPELINE—112,028 lbs, Talamanca, Santa Marta
PREPARED — 4,000 lbs, Talamanca, Cartagena
PRIMER — 13,618 lbs, Talamanca, Santa Marta
PARAFFIN — 6,060 lbs, Chiriqui, Havana; 45,215 lbs, Santa Paula, Cartagena; (Santa Lucia) 22,151 lbs, Puntarenas; 32,885 lbs, Buenaventura; 45,285 lbs, Guayaquil; 30,665 lbs, Callao; 61,842 lbs, Bristol City, Bristol; 4,449 lbs, Malaren, Stockholm; 36,397 lbs, Black Osprey, Amsterdam; 62,316 lbs, Hansa, Hamburg; 106,836 lbs, Antonia, Liverpool; 19,815 lbs, City of Auckland, Calcutta; 60,322 lbs, Helvig, London
SCALE—(City of Auckland) 33,615 lbs, Bombay; 36,287 lbs, Cochin; 32,788 lbs, Helvig, London
PECTIN, CITROUS—1,540 lbs, American Merchant, London
PETROLEUM, REFD — (City of Christiania) 10,000 gls, Diego Suarez; 10,000 gls, Morondava; 18,000 gls, Majunga
POTASH BROMATE, POWD—2,640 lbs, Rotterdam, Rotterdam
BROMIDE CRYST—650 lbs, Drottningholm, Gothenburg
RESIN—10,377 lbs, American Merchant, London
ROSIN—10,154 lbs, Antonia, Liverpool
SOAP—(Steel Navigator) 24,450 lbs, Honolulu; 5,300 lbs, Hilo; (Porto Rico) 11,450 lbs, Aguadilla; 5,600 lbs, Mayaguez; 12,760 lbs, American Legion, Rio de Janeiro
CHIP—4,500 lbs, Steel Navigator, Hilo
LAUNDRY—120,000 lbs, Toulousse, Manila; 4,091 lbs, Steel Navigator, Honolulu; 5,750 lbs, Gunvor, Port Spain; 8,850 lbs, Kahuku, Honolulu
SODA, ASH—33,419 lbs, Steel Navigator, Honolulu; (Agwistar) 10,185 lbs, Tampico; 10,360 lbs, Progresso; 7,542 lbs, Haughton Hall, Bombay; 26,464 lbs, Bristol City, Bristol; (City of Mobile) 27,640 lbs, Auckland; 38,700 lbs, Wellington; 558,448 lbs, Eastern Glade, Buenos Aires
BROMIDE—1,310 lbs, Drottningholm, Gothenburg
CAUSTIC—(Agwistar) 120,150 lbs, Tampico; 16,560 lbs, Progresso; 87,585 lbs, Haughton Hall, Karachi; 276,329 lbs, Parnahyba, Santos; 16,520 lbs, Santa Lucia, Buenaventura; (Extavia) 17,088 lbs, Istanbul; 27,510 lbs, Izmir; (City of Mobile) 15,518 lbs, Auckland; 29,190 lbs, Wellington; (Eastern Glade) 35,824 lbs, Santos; 230,400 lbs, Buenos Aires
HYDROSULPHITE—7,920 lbs, Eastern Glade, Buenos Aires
PHOSPHATE TRI—56,896 lbs, American Merchant, London; 4,460 lbs, Drottningholm, Gothenburg; 11,394 lbs, Carinthia, Liverpool
SILICATE—90,480 lbs, Fort Amherst, St John
SULPHATE—11,957 lbs, Chiriqui, Havana
STARCH, CORN—(Toulousse) 10,650 lbs, Manila; 3,272 lbs, Hongkong; (Steel Navigator) 14,645 lbs, Honolulu; 4,753 lbs, Hilo; 2,476 lbs, Kahului; 3,441 lbs, Port Allen; (Veragua) 1,410 lbs, Havana; 1,030 lbs, Cienfuegos; 300 lbs, Porto Rico, Ponce; 124,080 lbs, Haughton Hall, Aden; (City of Auckland) 29,610 lbs, Karachi; 845,859 lbs, Bombay; 56,400 lbs, Calcutta; 6,768 lbs, City of Mobile, Dunedin Wharf
WHEAT—56,672 lbs, Carinthia, Liverpool
TALC—4,480 lbs, Malaren, Stockholm
TALLOW—14,441 lbs, Chirique, Havana
TANNING EXTRACT—18,080 lbs, City of Christiania, Port Elizabeth
MATERIAL—16,305 lbs, American Legion, Buenos Aires
TITANIUM LITHOPONE—8,600 lbs, American Legion, London
TURPENTINE—200 gls, City of Christiania, Mombasa; 1,000 gls, Parnahyba, Rio de Janeiro; (City of Mobile) 550 gls, Auckland; 16,600 gls, Wellington; 1,375 gls, Wanganui; 2,750 gls, Dunedin Wharf; 2,500 gls, Eastern Glade, Buenos Aires
VARNISH—1,180 lbs, Antonia, Liverpool; 820 lbs, Kahuku, Honolulu
WITCH HAZEL EXTRACT—22,320 lbs, Bristol City, Bristol; 24,466 lbs, American Legion, Rio Janeiro
CRUDE—25,050 lbs, American Merchant, London; 12,702 lbs, Helvig, London
ZINC OXIDE—10,502 lbs, City of Auckland, Calcutta

Baltimore Exports

Clearance Dates

Black Eagle, April 20; City of Baltimore, April 14; Cold Harbor, April 16; Express, April 14; Fidelio, April 14; Ivar, April 16; Kwanto, April 22; Maasdam, April 18; Maabi, April 20; Manaar, April 13; Naurto Maru, April 15 Peter Kerr, April 18; Rydboholm, April 18; Tortugas, April 16

ACID, CHROMIC—4,400 lbs, Black Eagle, Antwerp
ALCOHOL, BUTYL—156,960 lbs, Naruto, Yokahama/Osaka
ASPHALT, PETROL — 1 ton, Tortugas, Rio de Janeiro
SOLID—4,267 lbs, City of Baltimore, Bilboa; 107,985 lbs, Cold Harbor, Liverpool
BLUE VITRIOL—800,100 lbs, Macabi, Tela; 22,400 lbs, Express, Istanbul
CADMIUM LITHOPONE—3,808 lbs, City of Baltimore, London
COPPER POWDER—112 lbs, Manaar, London
DEXTRIN—121,260 lbs, Cold Harbor, Manchester
GREASE, LUBRICATING—34,646 lbs, Fidelio, Maracaibo; (Peter Kerr) 2,185 lbs, Panama; 9,247 lbs, Chile; 1,169 lbs, Maasdam, Rotterdam; 26,810 lbs, Black Eagle, Antwerp
LACQUER—19 gls, Rydboholm, Skara
LIME, HYDRATED—8,000 bbls, Macabi, Barrios
OIL, ENGINE—236 bbls, Maasdam, Rotterdam
LUBRICATING—48,457 gls, Ivar, Copenhagen
6,893 gls, City of Baltimore, Havre
170 gls, City of Baltimore, London
43,460 lbs, City of Baltimore, London
20 gls, City of Baltimore, India
906 gls, City of Baltimore, Tonsberg
PEPPERMINT—1,800 lbs, City of Baltimore, London
PAINT—(Fidelio) 10,675 lbs, Maracaibo; 100 gls, Cucuta; 229 gls, Peter Kerr, Managua; 14 gls, Rydbohom, Skara
PARAFFIN—45,693 lbs, Cold Harbor, Liverpool; 8,281 lbs, Black Eagle, Rotterdam
PETROLATUM—3,447 lbs, Kwanto Maru, Yokohama
PORCELAIN ENAMEL FRIT—525 lbs, City of Baltimore, Oslo
ENAMEL, LIQUID—71 lbs, City of Baltimore, Oslo
POTASH BICHROMATE—16,128 lbs, City of Baltimore, India
REDUCING COMP—20 gls, Peter Kerr, Managua
SAND, PREPARED—2,712 lbs, City of Baltimore, London
SODA BICHROMATE—3,360 lbs, City of Baltimore, Madras
STARCH, CORN — 434,280 lbs, Cold Harbor, Manchester
TITANIUM LITHOPONE—2,400 lbs, Cold Harbor, Glasgow; 1,600 lbs, Rydboholm, Helsingborg
VARNISH—20 gls, City of Baltimore, Slough Bucks
BASE—166 lbs, City of Baltimore, Hamburg

Boston Exports

Clearance Dates

Caledonia, April 21; Capulin, April 15; Kwanto, April 19; Lady Rodney, April 16; Lancastria, April 16; Limon, April 15; Nova Scotia, April 15; Tagati, April 22; Yarmouth, April 16; 21

ACID, NITRIC — 15 crbys, 2,170 lbs, Limon, Havana
SULPHURIC — 10 crbys, 1,800 lbs, Limon, Havana
ALUMINA SULPHATE — 100 tons, Tagati, Brooklyn, N S
BLUE, LAUNDRY — 2 cs, 90 lbs, Yarmouth, Truro, N S
CEMENT, CAN — 7 dms, 3,319 lbs, Capulin, Vigo
LIQUID — 2 cs, 24 gls, Limon, Havana
RUBBER — 1 dm, 523 gls, Nova Scotia, St John's, N F; 1 cs, 2 dms, 125 lbs, Limon, Havana
CHEMICALS — 4 dms, 400 lbs, Capulin, London
CLAY — 1 bbl, 251 lbs, Capulin, London
COLOR — 1 dm, 30 gls, Limon, Havana
DEXTRIN—10 bgs, 1,000 lbs, Limon, Havana
DISINFECTANT, COALTAR — 15 bbls, 750 gls, Limon, Havana
DRESSING, LEATHER—1 dm, 45 lbs, Nova Scotia, St John's, N F; 4 cs, 5 pails, 1 cs, 482 lbs, Limon, Havana; (Capulin) 1 bbl, 307 lbs, Leicester; 50 dms, 250 gls, Walsall
SHOE—31 cs, and 2 bbls, 2,616 lbs, Limon, Havana
FLUX — 1 dm, 130 lbs, Lancastria, Casal blanca, Morocco; (Capulin) 6 cans, 450 lbs, London; 2 dms, 265 lbs, Ystad
GLUE, PHOTO-ENGRAVING — 15 cs, 450 lbs, Capulin, Hamburg
GREASE, LUBRICATING — 14 cs, 504 lbs, Nova Scotia, St John's, N F; 22 pkgs, 1,461 lbs, Lancastria, Liverpool
INK, MARKING — 3 cs, 99 lbs, Limon, Havana
PRINTING — 2 cs, 239 lbs, Lancastria, Manchester; 13 cs, 1,485 lbs, Limon, Havana; 3 kits, 210 lbs, Yarmouth, Windsor, N S; 100 dms, 44,620 lbs, Capulin, Dundee
WRITING — 2 crtns, Nova Scotia, St John's, N F
INSECTICIDE — 1 cs, 60 lbs, Limon, Santiago; 3 crtns, 133 lbs, Capulin, Stanmore
KEROSENE — 50 bbls, 2,750 gls, Nova Scotia, St John's, N F
LARD — 750 bxs, 42,000 lbs, Nova Scotia, Liverpool; 350 bxs, and 100 trcs, 47,919 lbs, Lancastria, Liverpool; 50 trcs, 18,785 lbs, Caledonia, Glasgow; (Capulin) 1,250 bxs, 35,000 lbs, London; 50 bxs, 1,400 lbs, Dundee
LINING COMPOUND — 1 dm, 461 lbs, Lancastria, Casablanca; (Capulin) 2,208 dms, 102,289 lbs, Hamburg; 2 dms, 931 lbs, Ystad; 50 dms, 2,300 lbs, Goteborg
MEDICINAL PREPS — 1 cs, 8 lbs, Lady Rodney, Hamilton; 2 cs, 12 lbs, Nova Scotia, St John's, N F; 4 bbls, 1,504 lbs, Halifax; 848 bxs, 4,240 gls, Capulin, London
MUCILAGE — 1 pkg, Nova Scotia, St John's, N F
OCHER, YELLOW — 4 bbls, 700 lbs, Limon, Havana
OIL, COALTAR — 10 dms, 4,570 lbs, Limon, Havana
CREOSOTE — 10 bbls, 500 gls, Limon, Havana
LUBRICATING — 1 hlf dm, 30 gls, Nova Scotia, St John's, N F; 3 cs, 50 gls, Lancastria, Liverpool; 6 bbls, Yarmouth, St John, N B
TANNERS' — 6 bbls, 2,383 lbs, Lancastria, Wellingborough
VEGETABLE — 6 cans, 6 lbs, Lancastria, Liverpool
PAINT — 4 crtns, 5 bxs, 4 cs, 1 pail, 54 gls, Nova Scotia, St John's, N F
ENAMEL — 1 dm, 55 gls, Nova Scotia, St John's, N F
SUBMARINE — 10 dms, 565 gls, Nova Scotia, St John's, N F
THINNER — 30 dms, 2,234 gls, Nova Scotia, St John's, N F
PASTE, FLOUR — 4 bbls, 2,075 lbs, Limon, Havana
PEANUTS — 300 bgs, Yarmouth, St John, N B
PEATMOSS — 25 bls, 3,500 lbs, Nova Scotia, Halifax
PETROLATUM — 5 crtns, 67 lbs, Yarmouth, Yarmouth
PINETAR — 80 dms, 4,329 lbs, Yarmouth, St John, N B
PLASTER RETARDER — 15 bgs, 1,200 lbs, Lancastria, Newport
POLISH, SHOE — 52 crtns, 440 lbs, Nova Scotia, St John's, N F; 100 cs, 3,220 lbs, Limon, Havana
ROOTS — 1 bx, 50 lbs, Yarmouth, Truro, N S
ROSIN—1 dm, 400 lbs, Capulin, London
SHELLAC — 1 dm, 100 lbs, Yarmouth, St John, N B
SILICON CARBIDE — 2 kgs, 391 lbs, Capulin, London
SOAP — 20 cs, 1,544 lbs, Limon, Havana
FLAKE — 66 cs, 2,206 lbs, Limon, Havana; 20 cs, 668 lbs, Foylebank, Manila
MEDICATED — 1 cs, 99 lbs, Nova Scotia, St John's, N F
POWDER — 22 cs, 945 lbs, Limon, Havana
TAR — 49 cs, 1,256 lbs, Limon, Havana; 700 cs, 23,125 lbs, Foylebank, Manila
TOILET — 60 cs, 1,496 lbs, Limon, Havana; 1,800 cs, 49,375 lbs, Foylebank, Manila
SODA, SULPHATE — 210 bbls, 130 kgs, 76,000 lbs, Limon, Havana
STAIN, SHINGLE — 41 cs, 209 gls, Lady Rodney, Nassau
TALC — 2 cs, 72 lbs, Nova Scotia, St John's, N F
TURPENTINE, GUM — (Yarmouth) 1 dm, 55 gls; 1 dm, 5 bbls, 1,013 gls, Yarmouth; 15 dms, 760 gls, Halifax
VARNISH — 11 cs, 58 gls, Nova Scotia, St John's, N F
WAX, SHOE — 1 crtn, 50 lbs, Nova Scotia, St John's, N F; 5 cs, 1 bbl, 711 lbs, Limon, Havana

Corpus Christi Exports

Clearance Dates

Hilda Knudsen, April 12; Laurent Meeus, April 13; Slemdal, April 1

GASOLINE—85,574 bbls, Slemdal, Foreign; 5,750 bbls, Hilda Knudsen, Foreign; 46,906 bbls, Laurent Meeus, Foreign
PETROLEUM, CRUDE—103,877 bbls, Hilda Knudsen, Foreign

Galveston Exports

Clearance Dates

Anglo Norse, April 18; Circe Shell, April 19; Gypsum Prince, April 18; West Hobomac, April 14; Kentucky, April 18; Ruth, April 16; Trafalgar, April 16; Venetia, April 15; Western Queen, April 16

BLACK, CARBON—30 tons, Western Queen, Manchester; 74 cs, Kentucky, Copenhagen
FIRECLAY—18 tons, Western Queen, Manchester
KEROSENE—5,000 tons, Ruth, Amsterdam
OIL, GAS—7,657 tons, Venetia, Havre; 11,500 tons, Circe Shell, Hamburg
PETROLEUM, CRUDE—11,000 tons, Anglo Norse, Holland
SULPHUR—1,200 tons, West Hobomac, Marseilles; 500 tons, Western Queen, Liverpool; (Trafalgar) 525 tons, Kotka; 525 tons, Mantyluoto; (Gypsum Prince) 900 tons, Baie Comeas; 1,100 tons, Port Alfred; 2,000 tons, Chicontimi; 1,900 tons, Montreal

Houston Exports

Clearance Dates

Alabama, April 16; Almeria Lykes, April 13; Anadara, April 16; Asuka, April 15; Bockenheim, April 14; Buccaneer, April 13; Buesten, April 18; Ethan Allen, April 13; Inneroy, April 13; Kentucky, April 19; John Knudsen, April 16; Laurent Meeus, April 15; Luebeck, April 16; Tillie Lykes, April 14; Mathias Stinnes, April 13; Ruth, April 13; San Adolfo, April 18; Trafalgar, April 19; Vav, April 19; West Hobomac, April 19

ASPHALT—100 dms, Trafalgar, Gothenburg
BLACK, CARBON — (Mathias Stinnes) 100 bgs, Manchester; 1,000 bgs, 25 cs, London; (Ethan Allen) 1,120 bgs, 56 cs, Havre; 2,092 bgs, Antwerp; 115 cs, Rotterdam; (Bochenheim) 400 tons, Bremen; 150 tons, Hamburg; 15 tons, Luebeck, Bremen; 50 cs, West Hobomac, Marseilles; (Trafalgar) 55 cs, Gothenburg; 61 cs, 1,110 bgs, Gdynia; 15 tons, Kentucky, Copenhagen
GASOLINE — 6,000 tons, Buccaneer, Havre; 2,750 tons, Ruth, Amsterdam; 3,500 tons, Laurent Meeus, Amsterdam; 11,000 tons, Anadara, Singapore; 7,150 tons, Buesten, Havre; 5,500 tons, San Adolfo, United Kingdom; 8,000 tons, Vav, United Kingdom
KEROSENE — 700 tons, Buccaneer, Havre; 5,000 tons, San Adolfo, United Kingdom
LUBRICANTS—17 tons, Almeria Lykes, Cristobal
OIL—7 tons, Almeria Lykes, Puerto Colombia
FUEL — 26,500 bbls, Alabama, Cienfuegos
LUBRICATING — 65 dms, Mathias Stinnes, London
PETROLEUM, CRUDE — 12,000 tons, Inneroy, Havre; 13,800 tons, John Knudsen, Havre
POTASH — (Asuka) 350 tons, Yokohama; 150 tons, Osaka

Lake Charles Exports

Clearance Dates

Caprella, April 16; Meruda, April 10

PETROLEUM, CRUDE — 90,962 bbls, Meruda, Montreal; 91,503 bbls, Caprella, Montreal

Los Angeles Exports

Clearance Dates

Albertolite, April 11; Athelprincess, April 11; Australind, April 12; Brovig, April 13; Caledonia, April 18; California, April 10; Cathwood, April 12; Chipana, April 11; City of Auckland, April 13; City of Mobile, April 12; Eastern Glade, April 14; El Mirlo, April 4; Elbe, April 6; Eulima, April 15; Extavia, April 7; Fosna, April 14; Hayatomo, April 19; Helvig, April 13; Hokkai, April 12; Indra, April 11; Kahuku, April 11; Kingsley, April 7; Kiyokawa, April 14; Lima, April 1; Mariposa, March 24; Marisa, April 14; Mitu, April 14; Moldanger, April 8; Montebello, April 14; Nako, April 12; Otowasan, April 11; Parthenia, April 6; President Coolidge, April 4; President Harrison, April 11; Rigmor, April 12; Shunten, April 8; Siamese Prince, March 29; Silverwalnut, April 10; Thurland Castle, April 3; Velma, April 18; Vivi, April 7; West Camargo, April 1; Weser, April 9; Wyoming, April 4

ACID, BORIC—(Mariposa) 95 pkgs, 12,880 lbs, Sydney; 53 pkgs, 5,270 lbs, Melbourne; (Elbe) 1,400 bgs, 146,800 lbs, Rotterdam; 700 bgs, 568,760 lbs, Hamburg; 60 kgs, 6,720 lbs, President Harrison, Hongkong
ASPHALT—10 dms, 2,240 lbs, West Camargo, Buenos Aires
BONEMEAL—2,020 lbs, Thurland Castle, Manila
BORATE—7,870 bgs, 1,499,180 lbs, Lima, Gdynia; (Elbe) 3,880 pkgs, 692,780 lbs, Antwerp; 476 sx, 91,010 lbs, Rotterdam; 3,385 bgs, 523,960 lbs, Hamburg; 224 bgs, 23,040 lbs, Wyoming, Dunkirk; 1,220 bgs, 134,510 lbs, Yamaura, Santos
BORAX—(Mariposa) 280 pkgs, 31,920 lbs, Sydney; 140 bgs, 15,680 lbs, Melbourne; 1,750 bgs, 5,650 lbs, Nako, Osaka; (Limaa) 295 bgs, 33,040 lbs, Gothenburg; 394 bgs, 44,130 lbs, Ronneby; 1,200 bgs, 134,400 lbs, Hull; (Elbe) 10,200 bgs, 1,142,400 lbs, Rotterdam; 10,600 bgs, 1,187,200 lbs, Hamburg; (Wyoming) 1,800 bgs, 201,600 lbs, Havre; 400 bgs, 44,800 lbs, Antwerp; (President Coolidge) 200 bgs, 22,400 lbs, Yokohama; 1,000 bgs, 114,000 lbs, Osaka; 107 bgs, 11,980 lbs, Hongkong; 140 bgs, 15,440 lbs, Kiyokawa, Cartagena; 40 bgs, 4,480 lbs, President Harrison, Bombay; 160 bgs, 17,920 lbs, Yamaura, Santos
CLAY—1,100 sx, 61,600 lbs, West Camargo, Buenos Aires
GROUND—50 dms, 20,000 lbs, Lima, Casigua
CLEANER—2,330 lbs, Moldanger, Rotterdam; 500 lbs, President Harrison, Manila
LIQUID—23,400 lbs, Elbe, Rotterdam
COLOR, DRY—3,350 lbs, Mariposa, Melbourne
FISHMEAL—16,130 lbs, Thurland Castle, Manila
GASOLINE—7,133 bbls, 1,861,710 lbs, Brovig, Japan; 250 dms, 82,220 lbs, Siamese Prince, Manila; 6,330 bbls, 1,704,330 lbs, Otowasan, Kure; 81,581 bbls, 21,292,640 lbs, Vivi, Dairen; 77,574 bbls, 20,246,810 lbs, Rigmor, London; (Marisa) 70,615 bbls, 18,430,520 lbs, Valparaiso; 13,654 bbls, 3,563,490 lbs, Iquique; 31,560 bbls, 8,237,160 lbs, Fosna, Yokohama
AVIATION—26,400 dms, 8,692,610 lbs, Shunten, Tokuyaka-Yokusuka-Sasebo
GREASE—20 cs, 610 lbs, Siamese Prince, Sourabaya
INFUSORIAL EARTH—358 bgs, 35,840 lbs, Mariposa, Sydney; (Moldanger) 440 bgs, 43,900 lbs, Antwerp; 594 bgs, 59,810 lbs, Amsterdam; (Lima) 6 bgs, 610 lbs, Gothenburg; 150 bgs, 15,460 lbs, Oslo; 220 bgs, 22,550 lbs, London; 400 bgs, 40,100 lbs, Maracaibo; 400 bgs, 40,100 lbs, Lima, Maracaibo; (Elbe) 440 bgs, 11,200 lbs, Bogota; 440 bgs, 43,900 lbs, Curacao; 100 bgs, 10,080 lbs, Havana; 50 bgs, 4,480 lbs, Antwerp; 224 pkgs, 22,400 lbs, Parthenia, London; 40 bgs, 4,000 lbs, Kingsley, Vancouver; 5 bgs, 410 lbs, Wyoming, Zurich; 100 bgs, 10,080 lbs, Silverwalnut, Manila; 1,520 bgs, 152,320 lbs, California, Havana
KEROSENE—(Marisa) 15,376 bbls, 4,382,160 lbs, Valparaiso; 781 bbls, 222,590 lbs, Iquique
LINSEED MEAL—2,020 lbs, Thurland Castle, Manila
MINERAL SPTS—50 dms, 17,100 lbs, West Camargo, Buenos Aires; 50 dms, 17,320 lbs, Yamaura, Buenos Aires
NAPHTHA—5 dms, 20,410 lbs, Kingsley, Victoria
OIL, DIESEL—(Mitu) 22,030 bbls, 6,873,360 lbs, Yokohama; 28,440 bbls, 8,873,280 lbs, Yokohama-Osaka-Nagasaki; 61,506 bbls, 19,189,870 lbs, Eulima, Kobe; 3,127 bbls, 975,620 lbs, Indra, Arica; 20,639 bbls, 6,439,370 lbs, Cathwood, Vancouver; 8 dms, 3,120 lbs, Chipana, Puntarenas
FUEL—67,245 bbls, 22,392,580 lbs, Montebello, Hondagua; 5,770 bbls, 1,921,410 lbs, Siamese Prince, Cebu; 7,915 bbls, 2,635,700 lbs, Kingsley, Vancouver; 5,158 bbls, 1,717,610 lbs, Thurland Castle, Manila; 53,572 bbls, 17,839,476 lbs, Hayatomo, Japan; 93,552 bbls, 31,152,820 lbs, Velma, Tocopilla; 77,763 bbls, 25,895,080 lbs, El Mirlo, Chanaral-Tocopilla
GRAPEFRUIT—100 lbs, Wyoming, La Garenne
LEMON—2,000 lbs, Lima, London; 1,900 lbs, Parthenia, Liverpool
LUBRICATING—(Mariposa) 600 dms, 203,330 lbs, Sydney; 170 dms, 83,420 lbs, Melbourne; 73 dms, 65 cs, 29,780 lbs, Siamese Prince, Sourabaya; 5 dms, 2,330 lbs, Chipana, Puntarenas
MOTOR—51 dms, 10 cs, 26,000 lbs, Thurland Castle, Manila
PEPPERMINT—220 lbs, Wyoming, Havre
PAINT—14,230 lbs, Thurland Castle, Manila; 4,950 lbs, West Camargo, Buenos Aires; 1,130 lbs, President Coolidge, Hongkong; 4,800 lbs, Silverwalnut, Manila
LIQUID—1,560 lbs, Silverwalnut, Manila
THINNER—750 gls, Thurland Castle, Manila; 8,880 lbs, Silverwalnut, Manila
PECTIN, CITROUS — 1,000 lbs, Moldanger, Rotterdam; (Lima) 600 lbs, Stockholm; 500 lbs, Copenhagen; (Parthenia) 1,300 lbs, London; 2,600 lbs, Liverpool; 500 lbs, Wyoming, Havre
PETROLEUM, CRUDE—91,474 bbls, 28,539,890 lbs, Brovig, Japan; 95,129 bbls, 29,680,250 lbs, Athel Princess, Yokohama; 68,565 bbls, 21,392,280 lbs, Otowasan, Kure; 51,938 bbls, 16,204,660 lbs, Cathwood, Vancouver; 64,067 bbls, 19,988,000 lbs, Allertolite, Vancouver; 56,949 bbls, 17,768,090 lbs, Fosna, Yokohama; 100,486 bbls, 33,461,840 lbs, Caledonia, Yokohama
POTASH, MURIATE—5,000 bgs, 1,102,300 lbs, Nako, Yokohama; 5,000 bgs, 1,102,300 lbs, President Coolidge, Yokohama; 454 bgs, 100,290 lbs, Silverwalnut, Cebu
SODA, ASH—142 bgs, 26,980 lbs, Mariposa, Auckland; 2 bbls, 750 lbs, Kingsley, Vancouver; (Yamaura) 1,323 bgs, 132,280 lbs, Rio Janeiro; 2,241 bgs, 336,150 lbs, Buenos Aires
CARBONATE—800 lbs, President Coolidge, Manila
SOLVENTS—(Lima) 35,040 lbs, Stockholm; 3,190 lbs, Norrkoeping; 13,180 lbs, Helsingfors; 24,070 lbs, Malmo; 13,170 lbs, Gothenburg
TALC—50 bgs, 11,200 lbs, Lima, Barranquilla; 100 bgs, 11,200 lbs, Elbe, Bogota; 40 bgs, 4,000 lbs, Wyoming, Porto Colombia; 20 sx, 2,240 lbs, Chipana, Puntarenas; 200 bgs, 11,200 lbs, Yamaura, Santos
TOILET PREPS—1,120 lbs, Mariposa, Melbourne; 3,600 lbs, Moldanger, Paris; (Siamese Prince) 2,000 lbs, Shanghai; 1,600 lbs, Hongkong; 400 lbs, Lima, Aruba; 400 bgs, Elbe, Brussels; 300 lbs, Thurland Castle, Manila; 1,000 lbs, Wyoming, Guatemala City

Mobile Exports

Clearance Date

Hird, April 16

ROSIN—916 bbls, Hird, Yokohama

New Orleans Exports

Clearance Dates

Alberta, April 9; Austvangen, March 29; Bonita, April 18; Bjorka, March 29; Buccaneer, April 11; Endicott, April 1; Gansfjord, March 2; Hybert, April 1; Lysefjord, March 2; Monfiore, April 1; Port Antonio, February 2; Santa Marta, February 25; Scottsburg, March 15; Sixaola, March 3; Tampa, April 2; Toloa, February 4, March 4; Vito, April 18; West Tacook, March 19; W R Keever, April 23

ALUMINA SULPHATE—300 sks, Santa Marta, Callao
ASPHALT—8 dms, 8 sks, Austvangen, Port of Spain; (Tampa) 107 tons, Havre; 18 tons, Antwerp
GILSONITE—27 tons, Scottsburg, Havre
BAKING POWDER—1 ton, Port Antonio, Belize; 1 ton, Lysefjord, Belize
BLACK, CARBON—(West Tacook) 2 tons, Liverpool; 1 ton, Manchester; 26 tons, Scottsburg, Havre; (Vito) 73 cs, 600 sks, Yokohama; 1 cs, Kobe; (Tampa) 3 tons, Havre; 8 tons, Dunkirk; 55 tons, Antwerp; (Endicott) 25 tons, Avonmouth; 5 tons, Dublin; 2 tons, Glasgow; 12 cs, Toloa, San Antonio; 661 sks, Alberta, Trieste; 7 tons, Hybert, Hamburg
CALCIUM ARSENATE — 1,200 dms, Santa Marta, Callao
CLAY—130 sks, Austvangen, Ciudad Trujillo; 27 tons, Tampa, Havre
CORN SYRUP—(West Tacook) 21 tons, Liverpool; 41 tons, Manchester; (Endicott) 22 tons, Dublin; 69 tons, Dublin-Belfast; 41 tons, Glasgow
COTTONSEED HULL SHAVING PULP—39 tons, Scottsburg, Havre; 5 tons, Hybert, Bremen-Hamburg optional
MEAL—10 sks, Lysefjord, Puerto Castilla
EARTH, INFUSORIAL—400 sks, Port Antonio, Santiago
FERTILIZER—22 sks, Port Antonio, Belize; 100 sks, Lysefjord, Puerto Barrios
FIRECLAY—1 ton, Santa Marta, Panam City; 2 tons, Toloa, Valparaiso
GASOLINE—(Austvangen) 700 bbls, Puerto Cabello; 800 bbls, La Guaira; (Port Antonio) 20 cs, Belize; 300 cs, 30 bbls, Puerto Barrios; 65 dms, 130 cs, Livingston; (Lysefjord) 250 cs, 10 dms, Puerto Castilla; 25 dms, Puerto Barrios; 853 dms, Tela; 100 dms, Gansfjord, Santiago
GLUCOSE—5 bbls, 5 dms, Austvangen, Ciudad Trujillo; 20 tons, Endicott, Dublin-Belfast; 15 bbls, Toloa, Panama City
GREASE—7 tons, Scottsburg, Antwerp
LUBRICATING—10 dms, Santa Marta, Havana; 30 ctns, 10 qtr dms, Gansfjord, Kingston
INFUSORIAL EARTH—400 sx, Port Antonio, Santiago
INK—10 dms, Toloa, Havana; 10 dms, Santa Marta, Havana
KEROSENE—200 cs, Austvangen, Willemstad; (Port Antonio) 25 cs, Kingston; 80 cs, Belize; 5 dms, Livingston; 475 cs, Toloa, Puerto Limon; 41 dms, 40 ctns, Santa Marta, Puerto Limon; 500 cs, Lysefjord,

KEROSENE (Continued):—
Puerto Castilla; 25 cs, Gansfjord, Santiago
LARD—(Austvangen) 200 tins, 28 cs, Port au Prince; 25 crts, 150 tins, Ciudad Trujillo; 250 tins, Bjerka, Maracaibo; 60 tins, Port Antonio, Belize; (Toloa) 2,301 dms, 50 crts, 2,030 tins, Havana; 2,000 tins, Panama; 200 crts, 15 trcs, Callao; (Santa Marta) 700 tins, 950 dms, Havana; 25 tins, Colon; 250 tins, Panama; 200 tins, Guayaquil; 25 dms, Gansfjord, Santiago; 300 tins, Sixaola, Puerto Barrios
SUBSTITUTE—15 dms, Toloa, Havana; 5 dms, Santa Marta, Puerto Limon
LIGNIN LIQUOR—28 tons, Scottsburg, Havre
LIME—10 bbls, Santa Marta, Puerto Armuelles; 2,400 sx, Gansfjord, Santiago
OIL, COTTONSEED, REFD—10 dms, Lysefjord, Belize; 130 cs, Toloa, Cristobal
FUEL—200 dms, Sixaola, Puerto Barrios
LUBRICATING—39 tons, West Tacook, Manchester; 60 dms, 695 cs, Port Antonio, Kingston; 6 tons, Scottsburg, Havre; (Tampa) 10 tons, Havre; 43 tons, Dunkirk; 42 tons, Endicott, Dublin; 25 qtr dms, Gansfjord, Kingston; (Toloa) 370 cs, 15 pls, 58 dms, Havana; 40 crts, 17 ctns, Corinto; 83 bbls, Alberta, Venice; 96 tons, Monfiore, Genoa; 32 tons, Hybert, Hamburg
OLEO—100 cs, Santa Marta, Panama
PINE—2 tons, Endicott, Glasgow
REFINED—800 cs, Port Antonio, Puerto Barrios
TOBACCO—5 dms, Santa Marta, Panama City
VEGETABLE, REFD—36 dms, Santa Marta, Havana
PAINT—37 cs, Austvangen, Ciudad Trujillo; 37 cs, Santa Marta, Buenaventura
PARAFFIN—4 tons, Scottsburg, Antwerp; 8 tons, Havre; (Toloa) 95 sx, Buenaventura; 158 sx, Puntarenas; (Sixaola) 100 sx, Puerto Barrios; 100 sx, Puerto Cortez; 121 bbls, Alberta, Trieste; 9 tons, Tampa, Antwerp
SCALE—54 tons, Endicott, Dublin
PETROLATUM—60 tons, Tampa, Antwerp; 58 tons, Hybert, Hamburg
PHOSPHATE—20 bbls, Santa Marta, La Union
PINETAR—20 dms, Toloa, Havana; 12 tons, Tampa, Havre
ROSIN—40 dms, Austvangen, Puerto Cabello; 15 bbls, Port Antonio, Santiago; 11 tons, Scottsburg, Antwerp; 20 dms, Santa Marta, Talcahuano; 5 dms, Toloa, Havana
GUM—(Toloa) 70 dms, 10 bbls, Cartagena; 10 dms, Panama City
WOOD—(Toloa) 45 dms, Puerto Limon; 10 dms, Buenaventura; 10 dms, Puntarenas; 80 dms, Cartagena; (Santa Marta) 100 dms, Panama; 10 dms, Puerto Limon; 95 cs, Buenaventura; 12 tons, Hybert, Hamburg
SALT—1 ton, Lysefjord, Puerto Castilla; (Toloa) 65 tons, Havana; 31 tons, Cristobal; 1 ton, Sixaola, Puerto Barrios
SHRIMP BRAN—20 sx, Toloa, Colon; 30 sx, Santa Marta, Cristobal
SODA, ASH—2,004 sx, Austvangen, Puerto Cabello
STARCH—167 tons, West Tacook, Manchester; 55 tons, Scottsburg, Antwerp; (Endicott) 60 tons, Dublin-Belfast, optional; 37 tons, Glasgow
SULPHUR—2,500 tons, West Tacook, Manchester; 1,250 tons, Endicott, Glasgow
CRUDE—5,200 tons, Bonita, Nantes; 1,250 tons, W R Keever, Everett
TOLUOL—1,568 tons, Buccaneer, Antwerp
TRIPOLI — (Scottsburg) 38 tons, Havre; 27 tons, Antwerp; 15 tons, Hybert, Hamburg
TURPENTINE—6 dms, Santa Marta, Havana; 7 tons, Monfiore, Genoa
WOOD—110 dms, 25 cs, Santa Marta, Havana

Norfolk Exports

Clearance Date

Maasdam, April 20

POTASH MURIATE—(Maasdam) 100 bgs, 10 tons, Rotterdam; 100 bgs, 10 tons, Amsterdam

Philadelphia Exports

Clearance Dates

Barbara, April 22; Birmania, April 22; City of Manila, April 21; General Gassouin, April 19; Ingria, April 18; Kimikawa, April 21; Manaar, April 18; Manchester Brigade, April 20; Paula, April 19; Roxburgh Castle, April 19; San Gabriel, April 16; Scanpenn, April 19; Voco, April 20; West Lashaway, April 14

ACID, TAR — 1 bx, Scanpenn, Stockholm
ALCOHOL, ETHYL — 277 bbls, Barbara, San Juan
ALUMINA SULPHATE—441 bgs, San Gabriel, Buenaventura
ANTI-KNOCK COMP — 323 dms, 6 bxs, Manaar, London; 7 dms, Ingria, Marseilles; 6 dms, Scanpenn, Helsingfors
ASPHALT — 1 dm, Manaar, London; 6 dms, City of Manila, Sydney
BLACK, BONE — 1 pkg, Manchester Brigade, Liverpool
CEMENT, AUTO — 7 ctns, City of Manila, Adelaide
FIBRE—6 dms, Paula, Valparaiso
GASKET — 1 ctn, San Gabriel, Panama; 9 ctns, Roxburgh Castle, East London
REFRACTORIES — 40 dms, Manaar, London
RUBBER — 3 dms, 4 pls, Paula, Valparaiso
CLEANER — 9 ctns, San Gabriel, Panama; 1 ctn, Roxburgh Castle, Lourenco Marques; 1 ctn, 2 cs, City of Manila, Sydney
DICHLORODIFLUOROMETHANE — 145 cyls, Manaar, London; 3 cyls, Scanpenn, Stockholm
DISINFECTANT — 2 ctns, San Gabriel, Panama; 1 dm, Ingria, Marseilles
DRESSING, AUTO TOP — 3 ctns, City of Manila, Adelaide
ENAMEL, AUTO — 4 ctns, Roxburgh Castle, East London
GOLF BALL — 4 bxs, Manaar, London
GASOLINE — (West Lashaway) 2,000 cs, Dakar; 2,000 cs, Conakry; 2,050 cs, 50 dms, Freetown; 200 cs, Monrovia; 3,000 cs, Port Bouet; 2,620 cs, Takoradi; 540 cs, Winnebah; 1,860 cs, Lagos; 1,250 cs, Lome; 2,000 cs, Duala; 1,000 cs, Kribe; 50 dms, Libreville; 750 cs, Port Gentil; (Roxburgh Castle) 1,250 cs, Walfisch Bay; 500 cs, Luderitz Bay; 300 cs, Capetown; 300 cs, Lourenco Marques; 1,500 cs, Durban
GLAZE — 1 cs, Paula, Valparaiso
GLUE, LIQUID — (San Gabriel) 7 ctns, Panama, 1 ctn, Pimental
GREASE, LUBRICATING — (West Lashaway) 25 cs, Port Bouet; 10 dms, Lagos; 50 cs, 5 dms, Duala; 10 cs, Port Gentil; (San Gabriel) 3 ctns, Panama; 20 dms, Salaverry; 15 pls, Barranquilla; 4 dms, Pereira; 2 pls, 19 dms, 2 cs, Manaar, London; 10 cs, Ingira, Lisbon; 3 dms, Paula, Valparaiso; (Scanpenn) 8 bbls, Gothenburg; 3 dms, Helsingfors; (Roxburgh Castle, 10 cs, 10 bkts, 10 dms, Capetown; 10 cs, 10 dms, Mossel Bay; 20 bkts; 20 cs, Port Elizabeth; 10 bkts, 10 dms, East London; 25 cs, 115 bkts, Lourenco Marques; 100 bkts, 10 dms, Durban; 10 bkts, Beira; 2 pkgs, Manchester Brigade, Liverpool; 6 dms, City of Manila, Freemantle
INK, PRINTING — 30 kits, Manaar, London
INSECTICIDE, HOUSEHOLD — 25 cs, West Lashaway, Port Bouet; 24 ctns, San Gabriel, Panama; 19 bxs, 8 dms, Manaar, Erith; (Roxburgh Castle) 156 ctns, Lourenco Marques; 4 cs, Beira
ISO OCTANE — 25 cs, Manaar, London
LEAK PREVENTOR, RADIATOR — 4 ctns, City of Manila, Adelaide
LICORICE PASTE — 85 cs, Manaar, London; 60 cs, Scanpenn, Copenhagen; 21 cs, Roxburgh Castle, Rustenburg; 20 cs, City of Manila, Sydney
MAGNESIA OXIDE, CALC—1 bg, Scanpenn, Stockholm
MANGANESE ORE—100 bgs, Roxburgh Castle, Durban
MEDICINAL PREPS—17 ctns, Manaar, London
MINERAL SPTS — (Roxburgh Castle) 20 cs, Luderitz Bay; 25 cs, Capetown; 10 bbls, Port Elizabeth; 10 cs, East London; 50 bbls, Lourenco Marques; 30 cs, Beira
NAPHTHA—2 cs, Voco, Alexandria
NITRO CELLULOSE—270 bbls, Manaar, London; 190 bbls, Manchester Brigade, Liverpool
OIL, FUEL—(West Lashaway) 50 dms, Conakry; 51 dms, Port Bouet; 50 dms, Winnebah; 250 dms, Accra; 50 dms, Duala; 50 dms, Kribe; 250 cs, Roxburgh Castle, Walfisch Bay
ILLUMINATING—(West Lashaway) 500 cs, Dakar; 1,250 cs, Conakry; 1,500 cs, Freetown; 300 cs, Monrovia; 250 cs, Port Bouet; 1,450 cs, Takoradi; 110 cs, Winnebah; 570 cs, Accra; 3,500 cs, Lagos; 750 cs, Lome; 1,000 cs, Duala; 50 cs, Port Gentil; 65 bbls, Scanpenn, Copenhagen; (Roxburgh Castle) 250 cs, Walfisch Bay; 2,000 cs, Luderitz Bay; 1,550 cs, Capetown; 1,250 cs, Port Elizabeth; 750 cs, East London; 2,500 cs, Lourenco Marques; 3,300 cs, Durban
LUBRICATING—(West Lashaway) 50 cs, 40 dms, Dakar; 96 cs, 10 dms, Conakry; 1 cs, Freetown; 4 dms, Monrovia; 40 dms, Port Bouet; 15 dms, 10 cs, Takoradi; 10 dms, 10 cs, Accra; 16 cs, 20 dms, Lagos; 40 cs, 5 dms, 50 pkgs, Duala; 128 pkgs, Lagos; 100 pkgs, Kribe; 10 pkgs, Port Gentil; 5 pkgs, Pointe Noire; 45 pkgs, Libreville; 284 dms, 55 pkgs, Matadi; 15 pkgs, Boma; 537 pkgs, Leopoldsville; 74 pkgs, Usumbra; 4 pkgs, Jadotsville; (San Gabriel) 41 ctns, Panama; 60 dms, Salaverry; 83 ctns, 46 dms, Pimentel; 50 dms, Lima; 38 dms, 1 cs, Barranquilla; 35 dms, Pereira; 192 dms, 25 bbls, 58 pkgs, Manaar, London; 70 dms, Kimikawa, Osaka; (Ingria) 2,658 pkgs, 100 bbls, 1,800 ctns, Lisbon; 6 pkgs, Lobito; 1 pkg, Amerienette; 10 pkgs, Dilolo; 83 pkgs, 22 dms, 75 cs, Casablanca; 63 bbls, Marseilles; 3 pkgs, Algiers; 670 pkgs, Saigon; 20 pkgs, Haiphong; 17 dms, Paula, Valparaiso; (Scanpenn) 62 bbls, Gothenburg; 78 bbls, 25 dms, 22 pkgs, Copenhagen; 61 pkgs, Gdynia; 43 dms, Stockholm; 1,220 dms, 53 pkgs, 41 dms, 25 cs, Helsingfors; (Roxburgh Castle) 82 cs, 37 dms, 4 bkts, Walfisch Bay; 20 cs, 39 dms, 180 pkgs, Luderitz Bay; 355 pkgs, Walvis Bay; 35 cs, 580 dms, 30 bkts, Capetown; 199 dms, 50 bkts, 1 cs, Mossel Bay; 440 dms, 50 cs, Port Elizabeth; 815 dms, East London; 715 dms, 25 cs, 30 bkts, Lourenco Marques; 1,410 dms, 30 cs, 50 bkts, Durban; 25 cs, 10 dms, 40 bkts, Beira; (General Gassouin) 15,216 bbls, La Mailleraye sur Seine; 2,202 bbls, St Louis du Rhone; 13,289 bbls, 6 cs, Voco, Alexandria; (Manchester Brigade) 306 pkgs, Liverpool; 182 pkgs, Manchester; 184 pkgs, Birkenhead; (Birmania) 190 bbls, Genoa; 195 bbls, Fiume; 13 pkgs, Naples; 80 dms, Durres; 20 dms, 80 ctns, Durazzo; (City of Manila) 104 dms, 60 pkgs, Sydney; 10 bbls, 2 cs, 21 dms, 140 pkgs, Melbourne; 1 cs, 1 ctn, 55 dms, 965 ctns, Adelaide; 77 dms, 907 pkgs, 18 dms, Freemantle; 10 pkgs, Port Pirie; 30 pkgs, Cairns; 50 pkgs, Townsville; 25 pkgs, Rockhampton; 10 pkgs, Geelong; 83 pkgs, New Castle; 922 pkgs, Brisbane
PAINT—3 ctns, San Gabriel, Panam; (Ingria) 41 ctns, 118 kits, Oporto; 41 dms, 63 bskts, 1 bx, Lisbon; 31 dms, 141 pls, Paula, Valparaiso; 1 pkg, Manchester Brigade, Liverpool
PASTE—2 ctns, Ingria, Lisbon
THINNER—(Ingria) 1 dm, Oporto; 2 dms, Lisbon
PARAFFIN—80 bgs, San Gabriel, Guayaquil; 127 pkgs, Manchester Brigade, Liverpool
REFINED—25 bgs, Scanpenn, Gothenburg
PASTE, AUTO-TOP—2 ctns, City of Manila, Adelaide
POLISH AUTO—4 ctns, San Gabriel, Panama; 86 ctns, Roxburgh Castle, East London; 22 ctns, City of Manila, Adelaide
FURNITURE—5 ctns, San Gabriel, Panama
METAL—(San Gabriel) 35 ctns, Panama; 5 ctns, Pimentel; 1 cs, Roxburgh Castle, Beira
RADIATOR FLUSH—1 ctn, City of Manila, Adelaide
SOLDER—4 ctns, Roxburgh Castle, East London
RESIN, COALTAR—50 dms, Manaar, London
RUBBER COMPOUNDING AGENTS—25 dms, Scanpenn, Helsingfors
SILICA—200 bgs, Manaar, London
SOAP—600 bxs, 1 bg, Manaar, London; 13 ctns, Roxburgh Castle, East London
SODA, BICHROMATE—1 pl, Paula, Valparaiso
CYANIDE—5 dms, Roxburgh Castle, East London
SOLVENT, AROMATIC—55 dms, City of Manila, Adelaide
TANNING EXTRACT—9 bbls, City of Manila, Sydney
TIRE COATING, WHITE—6 ctns, San Gabriel, Panama; 5 ctns, Roxburgh Castle, East London; 5 ctns, City of Manila, Adelaide
TOILET PREPS—(Roxburgh Castle) 1 cs, Capetown; 1 cs, Port Elizabeth; 3 cs, Johannesburg
VALVE GRINDING COMP—5 ctns, Roxburgh Castle, East London; 3 ctns, City of Manila, Adelaide
VARNISH—(Ingria) 20 bskts, Oporto; 9 kits, Lisbon
WAX—1 dm, 1 ctn, Manaar, London
CLEANER—3 bxs, Roxburgh Castle, East London
FLOOR—3 ctns, San Gabriel, Panama

Port Arthur Exports

Clearance Dates

Almeria Lykes, April 15; Cathlamet, April 15; Clairy, April 15; Dentice, April 19; Henning Maersk, April 13; Roanoke, April 12; South America, April 14; Steel Trader, April 15; Suderholm, April 11

ASPHALT, LIQ — (Cathlamet) 1 bx, Port Bouet; 20 dms, Takoradi; 8 dms, Lobite
PETROLEUM — (Steel Trader) 2 dms, Bahrein Island; 2,003 dms, Bombay; 850 dms, Calcutta; (Cathlamet) 60 cs, Bunia; 20 dms, 20 ctns, 3 bxs, Leopoldville
GASOLINE — (Roanoke) 49,124 bbls, San Juan-Guayanilla; 7,586 bbls, San Juan; 225 bbls, Guayanilla; 49,576 bbls, South America, Gothenburg-Malmo; (Cathlamet) 5,000 cs, Dakar; 3,000 cs, Conakry; 6,150 cs, Port Bouet; 1,150 cs, Bathurst; 22,824 cs, Takoradi; 1,000 cs, Freetown; 2,000 cs, Warri; 1,000 cs, Sapele; 3,653 cs, Lagos-Apapa; 3,000 cs, 30 dms, Kribi; 1,500 cs, Lome; 2,100 cs, 50 dms, Duala; 1,500 cs, Saltpond; 1,400 cs, 2,700 dms, Lobito; 800 cs, Monrovia; 23,010 cs, Accra; 2,000 cs, Port Harcourt; 1,000 cs, Cape Coast; 200 cs, Victoria
GREASE, LUBRICATING — 5 dms, 20 pls, Roanoke, San Juan; (Almeria Lykes) 5 cs, Colon; 13 dms, 10 kgs, 52 cs, Callao; 7 dms, Cristobal; (Steel Trader) 6 dms, Bahrein Island; 85 dms, 53 cs, Karachi; 145 dms, 310 cs, 10 ctns, Calcutta; (Cathlamet) 65 dms, 71 cs, 938 bbls, Santa Cruz de Teneriffe; 50 dms, 25 cs, Port Bouet; 37 dms, 28 cs, Takoradi; 500 dms, 150 cs, Duala; 40 dms, 67 ctgs, 40 cs, Lobito; 5 dms, 28 cs, Accra; 110 dms, 40 kgs, 245 cs, Bunia; 70 dms, 186 cs, 11 ctns, Leopoldville
KEROSENE—(Roanoke) 8,537 bbls, San Juan-Guayanilla; 10 cs, San Juan; 6,000 cs, Guayanilla; 6,681 bbls, South America, Gothenburg-Malmo; 50 bbls, Almeria Lykes, Colon; 2 cs, Steel Trader, Bahrein Island; (Cathlamet) 3,000 cs, Dakar; 150 cs, Conakry; 2,500 cs, Port Bouet; 580 cs, Bathurst; 10,500 cs, Takoradi; 3,400 cs, Freetown; 1,000 cs, Warri; 1,000 cs, Sapele; 2,050 cs, Calabar; 1,100 cs, Kribi; 550 cs, Lome; 1,150 cs, Duala; 1,000 cs, Saltpond; 100 cs, 30 dms, Lobite; 1,200 cs, Monrovia; 2,000 cs, Accra; 1,000 cs, Port Harcourt; 1,000 cs, Cape Coast; 1,200 cs, Victoria; 3,500 cs, Leopoldville
OIL, FUEL—49,835 bbls, Henning Maersk, Ceuta; 44,476 bbls, Dentice, Santa Cruz
DIESEL—8,269 bbls, Roanoke, San Juan-Guayanilla; 14,848 bbls, South America, Gothenburg-Malmo; (Cathlamet) 100 dms, Conakry; 40 dms, Takoradi; 88 dms, Lome; 200 dms, Duala; 30 dms, Salt Pond; 400 dms, Lobito; 250 dms, Accra; 55 dms, Cape Coast; 150 dms, Victoria; 100 dms, Leopoldville
GAS — 44,082 bbls, Suderholm, Hamburg; 40,598 bbls, Henning Maersk, Ceuta
LUBRICATING—(Roanoke) 173 dms, 99 cs, San Juan; 115 dms, Guayanilla; 6,766 bbls, Henning Maersk, Ceuta; 382 dms, 208 cs, South America, Gothenburg; (Almeria Lykes) 16 dms, 6 cs, Colon; 122 dms, 244 cs, Callao; 5 dms, Cristobal; (Cathlamet) 4,117 dms, 85 cs, Santa Cruz de Teneriffe; 30 cs, 10 dms, Dakar; 55 dms, 20 ctns, 1 cs, Port Bouet; 6 dms, Bathurst; 40 dms, 10 cs, Takoradi; 105 dms, Warri; 40 cs, Kribi; 20 dms, Lome; 170 dms, 10 cs, Duala; 324 dms, 97 cs, Lobito; 55 dms, Accra; 35 dms, 8 cs, Cape Coast; 40 dms, 10 cs, Victoria; 170 dms, Matadi; 25 dms, 145 cs, Bunia; 410 dms, 240 cs, Leopoldville
LUBRICATING, BLACK—(Steel Trader) 9 dms, Karachi; 95 dms, Calcutta
LUBRICATING, PALE—(Steel Trader) 2 cs, Bahrein Island; 274 dms, 181 cs, Karachi; 150 dms, 41 cs, Bombay; 1,555 dms, 70 cs, Calcutta
PAINT THINNER—(Almeria Lykes) 5 dms, Colon; 5 dms, Cristobal
PARAFFIN—3,790 bgs, Cathlamet, Santa Cruz de Teneriffe
PETROLEUM, CRUDE—64,395 bbls, Clairy, Trieste
SOLVENT, CLEANING — 25 dms, South America, Gothenburg
WAX DRESSING, LIQ—2 cs, Steel Trader, Karachi; 5 cs, Cathlamet, Accra

San Francisco Exports

Clearance Dates

Antietam, April 7; Athelduke, April 1; Bengalen, April 4; Bralanta, April 8; Capt A F Lucas, March 31; Charles Racine, April 6; Elbe, April 4; Hermion, April 6; Koijo, April 2; Kyokuto, April 6; Moldanger, April 5; Nanman, March 31; New Zealand, April 2; Parthenia, April 1; President Taft, March 30; Rosebank, April 2; San Ramon, April 1; Shunten, March 31; Siamese Prince, March 31; Steel Age, April 1; Toa, March 31; Tweedbank, March 30; Vitus Bering, March 31; Warwick, April 5; Wyoming, April 2

ABRASIVE PAPER — 1 cs, President Taft, Manila
ACID, BORIC — 20 sks, 10 bbls, 8 kgs, Rosebank, Vancouver
NITRIC — 12 crbys, 2 cs, Bengalen, Manila
SULPHURIC—50 crbys, Tweedbank, China; 6 crbys, Bengalen, Manila
AMMONIA — 5 cs, Bengalen, Manila
ANHYDROUS — 101 cyls, Siamese Prince, Shanghai
ANTISEPTIC — 101 cs, Bengalen, Medan
APRICOT KERNELS — 100 sks, Moldanger, Holland
ASPHALT — 2,505 dms, Tweedbank, Philippine Islands; 2,508 dms, Siamese Prince, Manila; 31 sks, Moldanger, Holland; 25 dms, Wyoming, Chile; 20 sks, Elbe, Hamburg; 3 sks, 17 cs, Rosebank, Vancouver; (Bengalen) 28 dms, Batavia; 5,501 dms, Manila; 965 dms, Calcutta; 2,288 dms, Singapore-Port Swettenham-Penang
GILSONITE — (Elbe) 698 sks, Hamburg; 225 sks, Antwerp
BLACK, CARBON — 73 sks, President Taft, Yokohama; 1,320 sks, Bengalen, Batavia
BLUE, LAUNDRY — 27 cs, Siamese Prince, Manila
BOILER COMPOUND — 10 dms, Tweedbank, Philippine Islands
BONE ASH — 90 sks, Tweedbank, Philippine Islands
FLOUR — 600 sks, Rosebank, Vancouver
MEAL — 500 sks, Rosebank, Vancouver
BORAX — 20 bbls, 40 sks, Rosebank, Vancouver; 100 cs, Bengalen, Manila
BRAKE FLUID—7 cs, President Taft, Manila
CALCIUM CARBIDE, BRICK — 1 dm, Tweedbank, Philippine Islands
CARBON BISULPHIDE — 10 dms, Tweedbank, Philippine Islands
CEMENT, FLOOR-COVERING — 6 cs, President Taft, Manila
HIGH TEMPERATURE — 50 dms, President Taft, Manila
RUBBER — 1 cs, Rosebank, Vancouver
CHEMICALS—30 cs, Bengalen, Manila; 50 cs, Tweedbank, China
CHLORINE BLEACH, LIQ — 30 cs, Siamese Prince, Manila; 100 cs, Vitus Bering, Puerto Armuelles
LIQUID—32 cyls, President Taft, Philippine Islands; 204 cyls, Tweedbank, China
CINNAMON—2 bls, Siamese Prince, Manila
CLEANER — 1 bbl, Tweedbank, Philippine Islands; (Siamese Prince) 2 cs, Manila; 7 cs, Shanghai
CLEANER, SHOE — 2 cs, Siamese Prince, Shanghai
COLOR, BUTTER — 1 cs, Siamese Prince, Shanghai
DRY — 6 kgs, President Taft, Yokohama; (Wyoming) 12 pls, 6 kgs, Venezuela; 31 kgs, 2 cs, Guatemala; 5 bbls, Bengalen, Manila
COPPERAS—18 bbls, Bengalen, Manila
DENTIFRICE—20 cs, Bengalen, Medan
DEXTRIN—1 sk, Bengalen, Manila
DISINFECTANT—26 cs, Rosebank, New Westminster
DRUGS—(President Taft) 10 cs, Hongkong; 5 cs, Yokohama; 3 cs, Siamese Prince, Shanghai; 15 pkgs, Rosebank, Vancouver; (Bengalen) 111 cs, Manila; 1 cs, Medan; 2 cs, Batavia; 2 cs, Samarang; 26 pkgs, Calcutta; 10 cs, Rangoon
ETHER—24 cs, Tweedbank, China
ISOPROPYL—580 dms, Nanman, Yokohama
FERRIC CHLORIDE—5 dms, Rosebank, Vancouver
FISHMEAL—200 sks, Bengalen, Manila
FLUX, CRYSTAL — 4 dms, President Taft, Hongkong
FLY SPRAY—(Bengalen) 10 cs, Rangoon; 16 cs, Singapore-Port Swettenham-Penang
GASOLINE—700 bbls, Siamese Prince, Manila; 87,586 bbls, New Zealand, Sydney-Brisbane-Newcastle-Melbourne
GLAUBER'S SALT—30 bbls, Rosebank, Vancouver
GLUE, DRY—1 cs, Tweedbank, China; 6 cs, Siamese Prince, Manila
GLYCERIN—15 cs, President Taft, Manila; 2 dms, Tweedbank, Philippine Islands
GREASE, LUBRICATING—(Bengalen) 6 dms, Singapore-Port Swettenham-Penang; 3 dms, Sourabaya-Batavia-Samarang
GUM, RESIN—19 bbls, Hermion, Japan
HOPS—1 cs, Siamese Prince, Manila; 4 bls, Bengalen, Bangalore
INK, MARKING—2 cs, Tweedbank, Philippine Islands
PRINTING—11 dms, 62 bbls, Tweedbank, China; 5 pls, 9 cs, 10 hlf bbls, Siamese Prince, Manila; (Rosebank) 6 dms, Victoria; 35 pls, 1 dm, Vancouver
WRITING—22 cs, President Taft, Hongkong; 106 cs, Siamese Prince, Manila
INSECTICIDE—(Siamese Prince) 3 cs, Manila; 4 cs, Shanghai
LIQUID—1 crt, President Taft, Manila
KEROSENE—26,145 bbls, New Zealand, Sydney-Brisbane-Newcastle-Melbourne
LACQUER THINNER—1 dm, Elbe, Havana; 10 dms, 9 cs, Bengalen, Calcutta
LEAD, RED, DRY—(Bengalen) 100 kgs, Manila; 200 kgs, Cebu
RED IN OIL—12 kgs, Wyoming, Guatemala
WHITE IN OIL—210 kgs, Tweedbank, Philippine Islands; 200 kgs, Bengalen, Manila
LITHARGE—16 dms, Tweedbank, Philippine Islands
MEDICINAL PREPS — 28 cs, Tweedbank, Philippine Islands
MESITYL OXIDE—1 dm, Nanman, Yokohama
MESITYLISOBUTYL—1 dm, Nanman, Yokohama
METHYL CHLORIDE—11 dms, Parthenia, London; 5 dms, Moldanger, Holland
MILK POWDER—3 bbls, President Taft, Hongkong; 385 bbls, Steel Age, England
SUGAR—9 bbls, President Taft, Yokohama
MINERAL SPTS—10 dms, Tweedbank, Bangkok
NITROCELLULOSE—2 dms, Rosebank, Victoria
OIL, COCONUT—10 cs, Tweedbank, China
COOKING—5 dms, Parthenia, London
CYLINDER—2 dms, Bengalen, Singapore-Port Swettenham-Penang
DIESEL—(Blaranta) 68,088 bbls, Osaka; 29,559 bbls, Nagasaki
FUEL—33,200 bbls, Capt A F Lucas, Mazatlan
INSULATING—1 cs, Bengalen, Manila
LUBRICATING — 200 dms, President Taft, Yokohama; 100 dms, Tweedbank, China; (Siamese Prince) 520 dms, 2 cs, Manila; 2,957 bbls, Shanghai; 30 dms, Parthenia, London; (Bengalen) 15 cs, 13 dms, Samarang; 350 dms, Penang; 66 dms, 210 cs, Sourabaya; 455 dms, 5 cs, Calcutta; 266 dms, Rangoon; 200 dms, Singapore; 92 dms, Palembang; 16 dms, Pontianak; 69 dms, 2 cs, Batavia; 21 dms, Singapore-Port Swettenham-Penang; 55 dms, Sourabaya-Samarang-Batavia-Medan; 170 dms, Medan; 20 dms, Singkawang; 1,200 bbls, Warwick, Port Moody; 15 dms, Moldanger, France; 470 dms, Hermion, China
SALAD—7 dms, President Taft, Yokohama
PAINT—98 cs, 130 pls, 1 dm, 40 kgs, President Taft, Manila; 41 kgs, Tweedbank, Philippine Islands; (Wyoming) 188 cs, Colombia; 4 kgs, Guatemala; 6 cs, Elbe, Havana; (Bengalen) 8 pls, 8 cs, Calcutta; 94 cs, Singapore
PREPARED—8 cs, Elbe, Havana
THINNER—1 cs, 40 pls, Siamese Prince, Manila
PARAFFIN—250 sks, Wyoming, Buenaventura
PEPPER—7 bls, Siamese Prince, Manila
PETROLEUM, CRUDE—1,100 tons, Shunten, Japan; 92,000 bbls, Toa, Tokuyama; 9,965 bbls, Nanman, Japan; 75,800 bbls, San Ramon, Japan; 7,582 bbls, Athelduke, Yokohama; 95,000 bbls, Koijo, Tokuyama; 96,300 bbls, Charles Racine, Japan; 85,000 bbls, Kyokuto, Tokuyama; 76,089 bbls, Antietam, Shellburn
DISTILLATE — 55 bbls, Siamese Prince, Hongkong
POLISH, FURNITURE—8 cs, Siamese Prince, Manila; 6 cs, Bengalen, Manila
METAL—1 cs, Siamese Prince, Manila
SHOE—11 cs, Siamese Prince, Shanghai 9 cs, Bengalen, Manila
POTASH BICHROMATE — 1 ck, Bengalen, Manila
XANTHATE—25 dms, Wyoming, Chile; 12 dms, Rosebank, Vancouver
PUTTY—5 kegs, Wyoming, Guatemala
QUICKSILVER—1 flask, Bengalen, Manila
ROSIN—1 bbl, Bengalen, Iloilo
SALT—600 sks, 485 tons, Rosebank, Vancouver
SOAP—100 cs, Siamese Prince, Manila
FLAKE—3 cs, Siamese Prince, Shanghai
LAUNDRY—3 cs, President Taft, Hongkong; (Siamese Prince) 2,008 cs, Manila; 6 cs, Shanghai
TOILET—(Siamese Prince) 804 cs, Shanghai; 500 cs, Manila
SODA ASH—26 bbls, 25 sks, Tweedbank, Philippine Island
BICARBONATE — (Siamese Prince) 3 cs, Manila; 4 cs, Shanghai
SILICATE—70 dms, 39 bbls, 10 sks, Rosebank, Vancouver
SULPHUR—50 bbls, 1 cs, 200 sks, President Taft, Hongkong; 35 bbls, Tweedbank, China; 5 bbls, 30 sks, Rosebank, Vancouver
DIOXIDE — 4 cyls, Siamese Prince, Shanghai; 5 cyls, Rosebank, Victoria
TAPIOCA—2 sks, Wyoming, Guatemala
TOILET PREPS — 11 cs, Siamese Prince, Shanghai; 1 cs, Vitus Bering, Puerto Armuelles; 5 cs, Wyoming, Colombia; (Bengalen) 10 cs, Manila; 1 cs, Rangoon; 1 cs, Singapore
VANILLA BEANS — 2 cs, Rosebank, Vancouver
VARNISH—(President Taft) 11 cs, Hongkong; 25 cs, Manila; 3 cs, Elbe, Havana
WAX, LIQ—1 dm, Bengalen, Penang
YEAST—40 cs, Tweedbank, China
ZINC DUST—440 dms, Tweedbank, Bangkok; 91 dms, Bengalen, Manila

Savannah Exports

Clearance Date

Salmonpool, April 19

CLAY—600 bgs, Salmonpool, Hamburg
COTTON LINTERS — 600 bls, Salmonpool, Hamburg

Business Wants and Offers

Minimum rate (36 words), without display, $2.00 per insertion; 25c for each additional 6 words

Payable in advance at 59 John Street, New York

Agencies Wanted

MANUFACTURER seeks contact with sales organization for insecticides and analogous products. BOX 826, Oil, Paint and Drug Reporter.

Equipment Offered

FOR SALE—two 6x8 pebble mills, 16x40 roller mills, 12x30 roller mills, 9x24 roller mills, 15 to 40-gallon pony mixers, lead mixers. Sell us your surplus equipment. Irving Barcan Company, 30 Church street, New York City.

CONSOLIDATED OFFERS—Five Sweetland filters, up to No. 12, twenty plate-frame and recessed types filter presses, iron, bronze, wood, all sizes; forty centrifugal machines up to 60 inches; twenty-five copper jacketed kettles with and without agitators, up to 500 gallons; vacuum dryers, W. & P. mixers, rotary dryers, pulverizers, tanks, kettles, etc. Send inquiries to Consolidated Products Company, Inc., 15-17-19 Park Row, New York, N. Y.

FIND WHAT you want right in New York City. Pony mixers, post mixers, Day sifter-mixers, portable mixers, revolvators, jacketed kettles, tanks, three-roller mills, dough mixers. Storms-Harvey Equipment Co., 123 Bleecker street. SPring 7-8955.

Equipment Offered

FOR SALE—3 feet by 15 feet rotary vacuum dryer; Hardinge conical mill 6 feet by 36 inches; pebble mills 54 inches by 42 inches, 36 inches by 42 inches, 30 inches by 18 inches, 15 inches by 18 inches; jar mills; Anderson expeller; filter presses 18 inches and 24 inches square; Stedman 42 inch disintegrator; W. & P. jack, mixer size 15; tablet machine ½ inch to 2 inches, single punch and rotary; filling machines, liquid and paste; grinders, pulverizers, roller mills, pumps, copper and glass lined kettles and tanks, etc. We buy your surplus machinery. Stein Equipment Corp., 426 Broome street, New York City.

Factories Offered

FOR SALE—Two 2 story brick factories—industrial section Greenpoint. Suitable any purpose. Bargain. BOX 814, Oil, Paint and Drug Reporter.

BRICK FACTORY—two story, 9,000 sq. ft., high ceilings, concrete floors, sprinklers, elevator, live steam 24 hours a day, railroad siding, yard, unrestricted district, 15 minutes to Manhattan; low rent. The R. L. Kraft Company, Woolworth Building. Cortlandt 7-9377.

Positions Vacant

CHEMIST WANTED—Leading industrial paint manufacturer located in the East, now making maintenance and production finishes, is starting to manufacture complete trade sales line. Require chemist able to formulate complete, modern up to date line for retail trade. The man we are looking for is no doubt employed now but is looking for an opportunity with progressive company. Substantial salary—splendid opportunity for capable man with right experience. Write fully giving training, experience, age and former positions. Our organization knows of this advertisement. BOX 818, Oil, Paint and Drug Reporter.

Positions Wanted

PRINTING INK and dry color expert desires position with reliable firm in either field. Will locate anywhere. BOX 812, Oil, Paint and Drug Reporter.

ANALYTICAL CHEMIST—Two years' experience in higher alcohols, urea and ammonium compounds. BOX 821, Oil, Paint and Drug Reporter.

PLANT CHEMIST—Five years' experience in the manufacture of azo dyes. Prefers technical sales-service work. BOX 822, Oil, Paint and Drug Reporter.

YALE PH.D.—Six years' experience in conducting research and development in biological assays on vitamins and derivatives. BOX 823, Oil, Paint and Drug Reporter.

Positions Wanted

CHEMIST experienced in manufacturing and marketing of a good line of acetate dyes, oil colors, direct colors, formaldehyde colors, sulphur colors, textile specialties wants connection with chemical firm having an azo unit available. BOX 819, Oil, Paint and Drug Reporter.

Services Offered

FACTORY in Brooklyn equipped with Anderson oil expeller-dry mixer-hammer-mill pulverizer-filters-pumps and assorted tanks, offers its facilities on contract basis. BOX 824, Oil, Paint and Drug Reporter.

WE HAVE facilities for manufacturing, drying, grinding, pulverizing, mixing and packing special chemicals. Location, Brooklyn. Let us quote on your requirements. BOX 825, Oil, Paint and Drug Reporter.

Surplus Stock

CHECK INVENTORIES—Cash for any quantity, surplus finished or raw material—chemicals, oils, coaltar products, metals, drugs, pharmaceuticals, gums, wastes and by-products. Entire plants bought. Chemical Service Corp., 237 Fourth avenue, New York. STuyvesant 9-0134.

BUYERS of any quantity surplus or by-product chemicals, greases, waxes, oils, solvents, colors, metal and all raw materials. We pay highest prices. Will also buy complete plant inventory. Write Barclay Chemical Company, Inc., 75 Varick street, New York City. WAlker 5-4250.

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Far or near we're ready to serve You with
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***(All actual places on Consolidated's shipping list)**

● ***See our classified listings above—Write us for complete listings.***

CONSOLIDATED PRODUCTS CO., Inc.
15-17-19 Park Row, New York City BArclay 7-0600
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We Buy and Sell from a Single Item to a Complete Plant

CERAMIC EQUIPMENT FOR SALE

LIQUIDATING THE SURPLUS EQUIPMENT OF ONE OF AMERICA'S LARGEST PLANTS OF ITS KIND

Toggle Presses, Sagger Presses and Friction Presses—Ceramic Machinery Co.
Foote-Root-Heath Horizontal Pug Mill.
Horizontal Sheet Steel Mixing Drum.
Williams, Gruendler and J. B. Hammermills.
Clearfield Brick or Briquette Press, hand operated.
Kuhn-Jacobs Screw Press.
Crossley Jiggers (2) Model 8B.
Abbe Porcelain Lined Pebble Mill.
Silex Lined Pebble Mills, 36″ x 48″ and 60″ x 48″.
Crossley Vertical Double Plunger Slip Pump.
Crossley Vertical Pug Mill, 24″ x 50″ belt drive.
Patterson Cast Iron Filter Presses, 30″ x 30″.
Crossley Single Roll Crushers, belt drive.

MISCELLANEOUS—Crossley Disintegrators, Speed Reducers, Kron and Fairbanks Scales, Car Pullers, Vertical Pressure Tanks, Counter Scales, Platform Scales, Lift Truck Platforms, Earthenware Crocks, Blowers, Motors, Etc.

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ROSIN (Salmonpool) 400 bbls, London; 775 bbls, Hamburg; 1,875 bbls, Czechoslovakia; 225 bbls, Rotterdam

SIZE, DRY—135 bgs, Salmonpool, Rotterdam

TURPENTINE—(Salmonpool) 300 bbls, London; 75 bbls, Hamburg; 250 bbls, Rotterdam

Tampa Exports

Clearance Date

Syros, April 15

PHOSPHATE — (Syros) 2,415 tons, Bremen; 2,618 tons, Hamburg

Coastwise Shipments

Corpus Christi Coast Trade

GASOLINE—104,562 bbls, Esso Bayonne, Baytown
OIL, GAS—26,468 bbls, Edward L Shea, Baytown
PETROLEUM, CRUDE—111,686 bbls, Spencer Kellogg, Baytown; 47,764 bbls, Dannedaike, Baytown; 48,440 bbls, Thermo, Baytown; 48,229 bbls, Edward L Shea, Baytown; 74,146 bbls, Dungannon, Baytown; 100,169 bbls, F W Abrams, Baytown; 112,610 bbls, Fred W Feller, Baytown; 44,648 bbls, Dolomite 11, Baytown; 148,892 bbls, Wm Rockefeller, Baytown; 101,203 bbls, Sun, Baytown; 144,654 bbls, W S Farish, Baytown; 112,313 bbls, J A Moffett, Jr, Baytown

Los Angeles Coast Trade

GASOLINE — 10,313 bbls, Tejon, Portland; 60,698 bbls, Mojave, Seattle; 10,738 bbls, San Diegan, San Diego; 73,136 bbls, Agwiworld, Seattle; 2,169 bbls, La Purisima, Oleum; 4,471 bbls, La Purisima, Seattle
KEROSENE—4,458 bbls, La Purisima, Oleum
OIL, DIESEL—7,184 bbls, Mojave, Seattle; 10,987 bbls, Agwiworld, Seattle
FUEL—59,874 bbls, Tejon, Portland; 49,595 bbls, Torres, Portland; 64,338 bbls, La Brea, Seattle; 2,501 bbls, Coast Banker, Portland; 48,313 bbls, Topila, Seattle; 26,411 bbls, La Purisima, Seattle; 2,000 bbls, Scotia, Eureka
FURNACE—5,889 bbls, Mojave, Seattle
PETROLEUM, CRUDE—6,187 bbls, La Purisima, Oleum

San Francisco Coast Trade

ACID—132 crbys, Silverado, Seattle
ALCOHOL—19 tons, California, New York
ALUMINA, SULPHATE — 600 sks, Coast Miller, Vancouver (Washington)
ASPHALT—109 bbls, Hamlin F McCormick, Seattle
BRAN ASH—1,200 sks, West Shipper, Portland, Ore
CEMENT, LIQ—60 dms, Brookings, Portland, Ore
CHLORINE BLEACH, LIQ—1,200 cs, Hamlin F McCormick, Seattle
650 cs, Brookings, Portland, Ore
COTTONSEED MEAL—125 tons, West Shipper, Portland, Ore
400 sks, Coast Farmer, Bellingham
220 sks, Brookings, Portland, Ore
GASOLINE—11,600 bbls, Warwick, Port San Luis
GLAUBER'S SALT—100 bbls, Brookings, Portland, Ore
GLYCERIN—20 tons, California, New York
INSECTICIDE—1,600 cs, West Shipper, Portland, Ore
500 pkgs Coast Miller, Portland, Ore
LARD SUBSTITUTE — 70 dms, Brookings, Portland, Ore
LEAD, ARSENATE—81 tons, Sidney M Hauptman, Baltimore
LIME—1,200 sks, Silverado, Seattle
LUBRICANT—208 tons, Hamlin F McCormick, Point Wells
OLEOMARGARIN — 6,000 cs, West Shipper, Portland, Ore
PAINT — 636 pkgs, and 30 tons, Brookings, Portland, Ore
PEANUTS — 20 tons, Hamlin F McCormick, Seattle
PETROLEUM PRODUCTS—1,260 dms, Silverado, Seattle
SALT—3,065 pkgs, West Shipper, Portland, Ore
12,518 pkgs, Silverado, Seattle
2,920 sks, Coast Farmer, Bellingham
750 pkgs, Coast Miller, Vancouver (Washington)
2,097 pkgs, Hamlin F McCormick, Seattle
2,343 pkgs, Brookings, Portland, Ore
SAND—400 sks, Coast Farmer, Bellingham
400 sks, Coast Farmer, Seattle
SOAP—778 cs, Coast Miller, Portland, Ore
1,021 pkgs, Brookings, Portland, Ore
SPRAY, TREE—125 dms, Silverado, Seattle
640 cs, Hamlin F McCormick, Seattle
STONE, POWD—400 sks, Silverado, Seattle
SUNFLOWER SEED — 560 sks, Silverado, Seattle
THINNER, GLUE—50 dms, Silverado, Seattle
TOBACCO DUST—17 tons, Sidney M Hauptman, Norfolk

Cargo Ship Arrivals

April 23 to May 6

New York

Agwistar	Tampico*	May 4
American	Tacoma*	Apr 27
American Farmer	London	May 2
American Merchant	London*	Apr 25
American Shipper	Manchester*	Apr 26
Ancon	Cristobal*	Apr 25
Antigua	Puerto Colombia*	Apr 28
Argentino	Buenos Aires*	Apr 29
Atalaia	Santos*	May 2
Atlantic	Mombasa*	Apr 23
Azumasan	Yokohama*	Apr 27
Bergensfjord	Oslo*	Apr 30
Black Falcon	Rotterdam*	May 2
Black Gull	Rotterdam*	Apr 28
Borinquen	Trujillo*	Apr 26
Brastagi	Macassar*	May 5
California	San Francisco*	Apr 25
Cameronia	Glasgow*	May 1
Carinthia	Liverpool*	May 3
Clement	Para*	May 2
City of Bedford	Sourabaya*	May 2
City of Flint	Dundee*	Apr 28
City of New York	Zanzibar*	May 3
City of Salisbury	Calcutta*	Apr —
Coamo	Trujillo*	May 2
Columbus	Bremen*	Apr 2
Conte di Savoia	Genoa*	Apr 28
Ernebank	Calcutta*	May 5
Examelia	Istanbul*	May 4
Excambion	Beirut*	Apr 28
Excello	Thessaloniki*	Apr 26
Executive	Istanbul*	May 5
Felix Taussig	Mombasa*	May 2
Fernwood	Lisbon*	Apr 25

Recent Charters

PETROLEUM—3,753 tons, S S Ranja, clean, Constanza to French Atlantic, 13s 9d; option United States Gulf loading, 16s 9d; June
13,000 tons, S S Athel, dirty, California to Japan, 19s; June
3,901 tons, S S Fern, dirty, Aruba or Curacao to United Kingdom, Continent, 15s; May
75,000 bbls, S S Bidwell, fuel oil, Gulf to North of Hatteras, 17c a barrel; May
2,627 tons, S S Woensdrecht, clean, Aruba to Lisbon, 15s, with option; May-June
3,400 tons, S S Skaggerak, lubricating oil, Gulf to United Kingdom, Continent, 19s; May-June
3,055 tons, S S Winneton, dirty, Gulf to Riga, 22s 6d; April
—— tons, S S ——, dirty, Aruba to United Kingdom, Continent, 14s
3,719 tons, S S Strix, clean, Gulf to French Atlantic, 16s; May
5,511 tons, S S Nike, dirty, ten years' trade at 5s; December delivery

Imports Detained

Detentions recently effected at various ports by United States authorities on determinations by the Food and Drug Administration that products offered for import were adulterated or misbranded under the Federal food and drug act or did not comply with other customs regulations included the following articles for the reasons stated:—

New York

Week Ended April 27

Cassia oil, 15 drums; not U.S.P.
Cod oil, technical, 1,933 barrels; restricted use.
Coriander seed, 30 bags; filthy.
Fennel seed, 29 bags, filthy.
Medicinal preparations, 68 cases; false therapeutic claims.
Medicinal preparations, 1 case; false and misleading statements.
Nutmegs, distilling, 555 bags; restricted use.
Thyme leaves, 9 bales; filthy.

Boston

Week Ended April 27

Codliver oil, 6 drums; non-destearinated; not so labeled.
Medicinal preparations, 3 cases; false therapeutic claims.
Sage, 58 bales, filthy.

Los Angeles

Week Ended April 21

Coriander seed, 141 bags; filthy.
Extract of chciken, 24 packages; false therapeutic claims.
Extract of beef; 12 packages; false therapeutic claims.

Philadelphia

Week Ended April 27

Medicinal preparation, 1 case; false therapeutic claims.

San Francisco

Week Ended April 21

Extract of chicken, 1 case; false therapeutic claims; net weight not declared.
Medicinal preparations, 50 pieces; false therapeutic claims.

Seattle

Week Ended April 21

Medicinal preparations, 30 pieces; acetanilid not declared.

Index to Advertisements

Advance Solvents & Chemical Corp .. —
Alexander, Jerome 58
American Agricultural Chemical Co. .. —
American-British Chemical Supplies, Inc. ..... —
American Can Co. ..... —
American Cyanamid & Chemical Corp. —
American Flange & Mfg. Co. 9
American Potash & Chemical Corp. 48
American Research Products 49
Anderson-Prichard Oil Corp. ..... —
Ansbacher-Siegel Corp. ..... —
Apex Chemical Co., Inc. ..... —
Ashcraft-Wilkinson Co. 31
Associated Chemical Engineering Corp. 58
Atlantic Refining Co. ..... —
Atlantic Research Associates ..... —
Atlas Powder Co. ..... —

Barium Reduction Corp. 34
Barrett Company 36, 57
Barsky & Strauss, Inc. 58
Bemis Bro. Bag Co. ..... —
Benzol Products Co. 66
Binney & Smith Co. 10
Bradley, A. J., Mfg. Co. 39
Brode Corp., The 44
Bureau of Chemistry 58
Bush, W. J., & Co., Inc. ..... —

Calco Chemical Co. ..... —
California Fruit Growers Exchange 66
Campbell, Harry T., Sons Co. ..... —
Carbide & Carbon Chemicals Corp. 2
Carey, The Philip Co. 49
Carpinello, Michael J., Inc. 58
Chemical Solvents, C. P., Inc. 66
Chilean Nitrate Sales Corp. ..... —
Church & Dwight Co. 1
Colledge, E. W., Gen. Sales Agent, Inc. —
Colton, Arthur Co. 40
Columbia Alkali Corp. 12
Columbian Carbon Co. ..... —
Commercial Solvents Corp. ..... —
Conewango Refining Co. ..... —
Consolidated Products Co., Inc. 64
Consumers Import Co., Inc. ..... —
Continental Can Co. ..... —
Cooper, Chas., & Co. ..... —
Cooper, T. G., & Co., Inc. 43
Crosby Naval Stores Co. ..... —
Croton Chemical Corp. ..... —

Dal-Brun, A. G. 49
Darling & Co. ..... —
Davidson, Harry H. ..... —
Day Chemical Co. 58
Deep Rock Oil Corp. 21
Dewey & Almy Chemical Co. ..... —
Diamond Alkali Co. 33
Dicalite Co. ..... —
Dodge & Olcott Co. ..... —
Doggett, Stanley, Inc. 39
Dow Chemical Co. ..... —
Draper Mfg. Co. ..... —
Drury, A. C., & Co., Inc. 57
Dunkel, Paul A., & Co., Inc. 51
Du Pont de Nemours, E. I., & Co. 1

Eastern Steel Barrel Corp. ..... —
Eastman Kodak Co. ..... —
Ehrmann Strauss Co., Inc. ..... —
Electro Bleaching Gas Co. ..... —
Ellis-Foster Co. 58
Emery Industries, Inc. ..... —
Exporters & Manufacturers Translation Bureau 58

Falk & Co. ..... —
Fezandie & Sperrle 35
First Machinery Corp. 64
Fluorine Products ..... —
Food Research Laboratories, Inc. 58
Frank-Vliet Co. ..... —
Franks Chemical Products Co. ..... —
Freeport Sulphur Co. ..... —
Fritzsche Bros., Inc. 53, 55
Fulton Bag & Cotton Mills ..... —

General Chemical Co. ..... —
General Drug Co. 54
General Dyestuff Corp. ..... —
General Electric Co. 24
General Plastics, Inc. 25
Givaudan-Delawanna, Inc. 40
Goodman, Rex, M. D. 58
Gray, William S., & Co. 1
Gray Industrial Laboratories 58
Greeff, R. W., & Co., Inc. 47
Gross, A., & Co. 43
Gruman, J. B., & Co. 60

Haas-Miller Corp. 35
Hardesty, W. C., Co., Inc. 43
Harshaw Chemical Co. 66
Heekin Can Co. ..... —
Heyden Chemical Corp. 47
Hinde & Dauch Paper Co. ..... —
Hochstadter Laboratories 58
Holt, C. J., & Co., Inc. 58
Hoover, Geo. W. 58
Hopkins, J. L., & Co. 51
Huisking, Chas. L., & Co., Inc. 48
Hutchinson, D. W., & Co., Inc. 53

Imperial Oil & Gas Products Corpn. .... —
Imperial Paper & Color Corp. 41
Independent Mfg. Co. ..... —
Industrial Chemical Sales Div. 62
Industrial Consulting Labs., Inc. 58
Innis Speiden & Co. ..... —
International Pulp Co. ..... —
International Selling Corp. ..... —
Irvington Smelting & Refining Works .. 31

Jackson, L. N., Co., Inc. 44
Jaite Co. ..... —
Jones & Laughlin Steel Corp. 37
Jungmann & Co., Inc. 34

Kellogg, Spencer, & Sons, Inc. ..... —
Kentucky Color & Chemical Co. 29
Kessler Chemical Corp. ..... —
Knight, B. H. 58
Koppers Co. 37
Koster Keunen ..... —
Krebs Pigment & Color Corp. 15

Laning, E. M., & Co., Inc. 58
LaWall & Harrisson 58
Lenape Trading Co. 51
Lewis, John D., Inc. ..... —
Lueders, Geo., & Co. 53

Magnetic Pigment Co. 10
Magnus, Mabee & Reynard, Inc. 53
Mallinckrodt Chemical Works 6
Manion Steel Barrel Co. ..... —
Martens, Johan C., & Co. 65
Martin, The L., Co. ..... —
Mathieson Alkali Works, Inc. 22
Merck & Co. ..... —
Metasap Chemical Co. ..... —
Miel, George A. 58
Minnesota Specialty Co. 40
Molnar Laboratories 58
Monsanto Chemical Co. ..... —
Munch, James C. 58
Murray Oil Products Co. 45
Mutual Chemical Co. of America 35

National Aniline & Chemical Co., Inc. ... —
National Lead Co. ..... —
National Milk Sugar Co., Inc. 48
National Oil Products Co. 35
National Rosin Oil & Size Co. 39
Natural Products Refining Co. 35
Neuberg, William, Inc. 48
Neville Co. ..... —
New Jersey Zinc Co. 38
N. Y. Quinine & Chemical Works, Inc. ... —
Niacet Chemicals Corp. 35
Niagara Alkali Co. ..... —
Nichols Copper Co. 65
N. V. Potash Export My, Inc. 34

Oldbury Electro Chemical Co. 32
Orbis Products Corp. 53
Orthmann Laboratories, Inc. 58
Osborn, C. J., Co. 39

Pacific Coast Borax Co. 1
Pacific Vegetable Oil Corp. ..... —
Parsons, M. W. 48
Pease Laboratories, Inc. 58
Penick, S. B. & Co. 50
Pennsylvania Coal Products Co. 48
Pennsylvania Oil Products Refining Co. . —
Pennsylvania Refining Co. 54
Pennsylvania Salt Mfg. Co. 11
Pfaltz & Bauer, Inc. 34
Pfizer, Chas., & Co., Inc. 27
Polachek, Z. H. 58
Potash Company of America ..... —
Pressed Steel Tank Co. ..... —
Prior Chemical Corp. 1
Procter & Gamble 43, 48
Publicker Commercial Alcohol Co. ..... —
Purdy, W. S., Co., Inc. 58
Pure Calcium Products Division ..... —

Quaker Oats Co. ..... —

R. A. Company 32
Reilly Tar & Chemical Corp. ..... —
Rosenthal, H. H., Co., Inc. 65
Royster Chemical Works 1
Ryland, H. C., Inc. 53

Sadtler, Samuel P., Sons, Inc. 58
St. Joseph Lead Co. ..... —
Schimmel & Co., Inc. 40
Schofield-Donald Co., Inc. ..... —
Schwabacher, S. & Co., Inc. 39
Schwarz Laboratories, Inc. 58
Seil, Putt & Rusby, Inc. 58
Sharples Solvents Corp. ..... —
Shell Petroleum Co. 56
Sherka Chemical Co., Inc. 69
Sherwood Petroleum Co., Inc. 55
Sievers, Cuno, Inc. ..... —
Silzle, Earl, Co. 53
Skelly Oil Co. 20
Smith, Kline & French Laboratories .... —
Snell, Foster D., Inc. 58
Solvay Sales Corp. 32
Sonneborn, L., Sons, Inc. 66
Southern Steel Barrel Co., Inc. ..... —
Standard Ultramarine Co. 39
Stauffer Chemical Co. 31
Stillwell & Gladding 58
Stroock & Wittenberg Corp. ..... —
Sun Oil Co. 41

Taintor Trading Co. 39
Tamms Silica Co. 39
Tar & Chemical Div. of Koppers Co. 37
Tennessee Corp. 31
Texas Gulf Sulphur Co., Inc. ..... —
Thornton, The F. C., Co., Inc. ..... —
Thurston & Braidich 51
Titanium Pigment Corp. ..... —
Todd, A. M., Co. ..... —
Turner, Joseph, & Co. 31

Union Carbide & Carbon Corp. 2
United Clay Mines Corp. 39
U. S. Industrial Alcohol Co. 17, 18
U. S. Industrial Chemical Co. 17, 18
U. S. Phosphoric Products Corp. 31
United States Potash Co. 57

Vanderbilt, R. T., Co., Inc. ..... —
Victor Chemical Works 34
Viking Distributing Co. ..... —
Vorce, L. D. 58

Wecoline Products, Inc. 43
Weiss & Downs, Inc. 58
White Tar Co. of N. J., Inc. 37
Wiley & Co., Inc. 53
Will & Baumer Candle Co. ..... —
Williams, C. K., & Co. ..... —
Wishnick-Tumpeer, Inc. ..... —
Woburn Degreasing Co. of N. J. ..... —
Wolf, Jacques, & Co. ..... —
Wood Preserving Corp. 37

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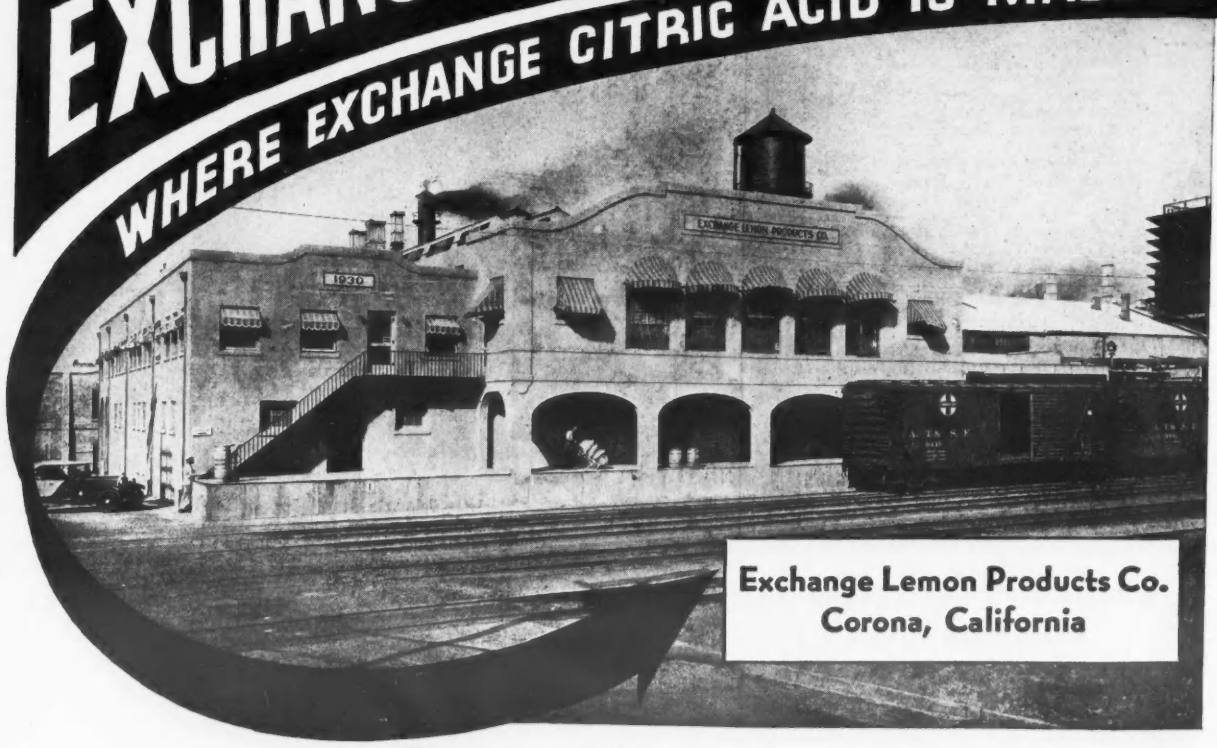

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